MOD000818906

St. Louis County (HW)
McDonnell Douglas Corp.
(Tract II)

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Acc. 1

STATE OF MISSOURI
Mel Carnahan, Governor • David A. Shorr, Director
DEPARTMENT OF NATURAL RESOURCES
DIVISION OF ENVIRONMENTAL QUALITY
St. Louis Regional Office
10805 Sunset Office Drive, Suite 100 St. Louis, MO 63127-1017
(314)822-0101
FAX (314)822-0943

April 25, 1994

Mr. Joseph Haake, Group Manager
Environmental and Hazardous Materials Services
McDonnell Douglas Corporation
Mail Code 1111041
P.O. Box 516
St. Louis, MO 63166

L.O.W. #94-SL.027

Dear Mr. Haake:

Enclosed is a report of an inspection conducted by Mr. Joe Trunko of my staff. The section titled "UNSATISFACTORY FEATURES" lists violations noted during the inspection and outlines steps the inspector has determined will correct those violations.

We have received your company's April 14, 1994, response to Notice of Violation (NOV) #3332. This NOV was issued as a result of violations noted during the inspection. A review of the company's response indicates that the proper corrective actions have been taken to correct Unsatisfactory Features #2 through #5 (at notated in the report).

In regard to Unsatisfactory Feature #1 (inadequate containment system), you had stated in your response that the containment capacity of the storage area was being calculated, and that curbing would be installed if sufficient capacity (at least 10% if the waste volume) did not exist. Please submit to this office all information obtained related to the containment capacity of the existing storage area. If inadequate containment is currently provided, include a description of all actions taken to provide adequate containment.

Your response must be submitted to this office no later than May 27, 1994. Please direct the response to Mr. Joe Trunko of this office. A copy of the response should also be submitted to Mr. Tom Judge, Hazardous Waste Program-Enforcement Section, P.O. Box 176, Jefferson City, Missouri 65102.

Your cooperation in this matter is appreciated. Should you have any questions, please call Mr. Trunko at (314) 822-0101.

Sincerely,

ST. LOUIS REGIONAL OFFICE

Robert S. P. Eck
Regional Director

RSPE/JLT/lv
Enclosures

c: HWP

RESOURCE CONSERVATION AND RECOVERY ACT
AND
MISSOURI HAZARDOUS WASTE MANAGEMENT LAW
COMPLIANCE EVALUATION INSPECTION REPORT

FACILITY

McDonnell Douglas Corporation
Tract II
P.O. Box 516
St. Louis, MO 63166
(314) 232-3319

EPA ID #: MOD000818906
MO Generator ID #: 001248
Resource Recovery #: 0268-B
MO Transporter ID #: H-1039

PARTICIPANTS

Missouri Department of Natural Resources	Joseph L. Trunko Julie Watral Vicki Smith Environmental Specialists
McDonnell Douglas Corporation	Joseph Haake, Group Manager Environmental & Hazardous Materials Services
	Charlie Kutterer Environmental & Hazardous Materials Services

INTRODUCTION

On March 22 and 23, 1994, an inspection was conducted at McDonnell Douglas Corporation-Tract II (MCDC) located at McDonnell Boulevard and Airport Road in St. Louis County. The inspection was conducted under the authority of the Resource Conservation and Recovery Act (RCRA) of 1976 and Sections 260.375(9) and 260.377 of the Missouri Hazardous Waste Management Law (1977) as amended. The inspection was confined to facets of the facility operation related to hazardous waste management.

FACILITY DESCRIPTION

MDCD is a manufacturer of military aircraft. The MCDC facility is divided into two areas--Tract II East and Tract II West. James S. McDonnell Boulevard separates the two areas. Operations at Tract II East include assembly, drilling, welding, riveting and capping, painting (Buildings 101 and 102), chemical process lines (conversion coating, degreasing, etching, and pickling), research laboratories (Buildings 101D, 110, and 111) and administrative offices (McDonnell Douglas Corp. world headquarters). Operations at Tract II West include research and development laboratories, composite production, and a maintenance shop.

MCDC operates 5 days per week, 24 hours per day. The largest shift (shift 1) consists of 6,418 employees. A site map of the facility is attached.

MCDC is a large quantity generator of hazardous waste. Numerous waste streams are generated. However, the largest quantity of wastes generated consist of oils, paint solids, solvent and paint waste, and corrosives.

Liquid hazardous waste (paints, solvents, oils, and corrosives) are generated at numerous satellite locations located throughout the facility (mainly in Buildings 101, 102, 66, 67 and 63). Small amounts of waste are also generated by the laboratories located in Buildings 110 and 111. When these containers become full, they are transferred to the less-than-90-day storage area located northeast of Building 101. The area is curbed and is enclosed on three sides. Oil, solvent and paint waste is separated from corrosive waste by a curb.

The majority of liquid waste generated by MCDC is transported by MCDC to the MCDC Tract I facility for storage. MCDC Tract I has a permit to accept MCDC waste from off site for storage over 90 days.

Paint solids are accumulated in red, two cubic yard dumpsters located throughout the facility (mainly in Buildings 101, 102, and 66). When full, these dumpsters are emptied into two, 40 cubic yard compactor/rolloff dumpsters located next to the less-than-90 day storage area and at the southeast corner of Building 66. These dumpsters are transported by Peoria Disposal Company to Rollins Environmental Services, Inc. in Deer Park, Texas.

Rags and other small paint-related waste are accumulated in 5-, 10-, 15- and 30-gallon containers located at the immediate work areas (mainly in Buildings 101 and 102). At the end of each day, these containers are emptied into the nearest two-yard dumpster.

Bulk quantities of hazardous waste (ferric chloride, corrosives, solvent) are generated when the chemical process tanks are cleaned (vapor degreaser, pickling tanks, etc.). This waste is either drummed and placed in the less-than-90-day storage area or is pumped directly into tank trucks for off-site disposal.

Other waste from the chemical process lines is discharged into the sewer and is treated at an industrial wastewater pretreatment plant located at MCDC Tract I. The effluent from this plant is discharged to the Metropolitan St. Louis Sewer District.

A Generator's Hazardous Waste Summary Report for the quarter ending December 31, 1993, is attached.

MCDC has a Resource Recovery Certification (expires August 20, 1994) for the distillation of spent Methyl Ethyl Ketone and Methyl Isobutyl Ketone. Only waste from MCDC Tract II can be recovered. The distillation unit is located at the paint shop in Buildings 101. Still bottoms are collected in a 55-gallon drum and are disposed of as hazardous waste.

Solid Waste generated at the facility is hauled by MCDC to the Westlake Sanitary Landfill or the Browning Ferris Industries MOPASS Sanitary Landfill. Burnable waste is collected in brown, two cubic yard dumpsters and is burned in a permitted incinerator located in Building 101.

MCDC has a NPDES Permit (MO-0004782) from the MDNR for the discharge of storm water and noncontact cooling water.

MCDC has been proactive in reducing the quantity of hazardous waste generated at this facility. Current waste minimization efforts include the following:

The use of a citrus based solvent (DS 108).

The recycling of empty metal paint cans.

The replacement of the solvent vapor degreaser (Building 101) with an aqueous degreaser (proposed).

The ultrafiltration of waste oils to remove the water content (proposed).

The on-site neutralization of corrosive waste (proposed).

Copies of photographs that were taken during the inspection are attached.

UNSATISFACTORY FEATURES

1. Storage of over 1,000 kg of hazardous waste without adequate containment, in violation of 10 CSR 25-5.262(2)(C)2.B.(1). The less-than-90 day storage area located northeast of Building 101 was equipped with a curbed containment area with sloped floors. Two uncovered floor drains were observed in the floor of the storage area (one in the corrosive area and one in the oil/solvent/paint waste area). The drains discharge to the Industrial Wastewater Pretreatment Plant located at the MCDC Tract I facility.

   The existence of the open floor drains create the potential for hazardous waste to enter the sewer system should a spill or leak occur. While the pretreatment plant may have the capability of handling any corrosive waste that may enter the system, oil and solvent waste could not be adequately

treated. MCDC must provide a containment system for this area that is capable of collecting and containing any spilled or leaked material until the material can be detected and removed. Providing adequate lids for the drains would eliminate the potential for hazardous waste to enter the sewer system. The lids must only be removed when the floor of the storage area is washed.

A containment system must have a capacity equal to 10% of the containerized waste volume or the volume of the largest container, whichever is greater. MCDC did not have any records available documenting that the existing containment system meets this design requirement. MCDC must calculate the capacity of the existing containment system and must determine if it is adequate to contain 10% of the maximum waste volume that is ever stored in the area at any one time. MCDC must provide this information to the Department.

2. Containers of hazardous waste not marked, in violation of 10 CSR 25-5.262(2)(C)1. Two 55-gallon drums of waste Ferric Chloride (D002) were observed in the Nameplate Dock Area. This waste had been generated at a satellite location located in the Nameplate Area. The drums only had satellite markings. Also observed in this area was a 1000-gallon tank that is used to accumulate waste Ferric Chloride. The tank was empty at the time of the inspection.

   All containers of hazardous waste must be marked in accordance with the applicable Department of Transportation Regulations (49 CFR Part 172) and with the information described in 40 CFR 262.32(b) as soon as the containers are placed in a less-than-90 day storage area. If MCDC intends to continue to use this area as a less-than-90 day storage area, all containers of hazardous waste placed in the area must be properly marked. If the tank is utilized, this area will be required to be managed as a less-than-90-day storage area since greater that 55 gallons would be accumulated.

3. Open containers of waste oil, in violation of 10 CSR 25-11.010(3)(C). A full drum of waste oil with an open bung was observed in the Building 101 Vibration Test Area. Also observed was a 55-gallon drum with an open funnel in the bung hole. The drum was full and the funnel was filled with oil. Four open, 5-gallon buckets of waste oil were observed next to the drums. All containers of waste oil that are 5 gallons or larger in size must be closed (or equipped with devices satisfying the requirement) except during those times when waste oil is being added to or removed from the containers.

4. Satellite containers of hazardous waste not marked or dated, in violation of 10 CSR 25-5.262(2)(C)3. MCDC accumulates

waste rags and other solids in numerous 5-, 10-, 15-, and 30-gallon containers located throughout the facility. These containers are considered to be satellite accumulation containers (see attached letter dated November 10, 1993) and must be marked with the words "HAZARDOUS WASTE," or with other words that identify the contents of the containers, as well as with the beginning date of satellite storage.

The two cubic yard dumpsters that the small containers are emptied into are considered to be less-than-90-day storage areas and must be marked with the information specified in 40 CFR 262.32. MCDC had begun to try to mark all these dumpsters. Efforts must continue to ensure that these containers are properly marked.

5. Facility Summary Reports not submitted, in violation of 10 CSR 25-9.020(3)(E)6 referencing 10 CSR 25-7.264(2)(E)3. Certified Resource Recovery facilities must submit quarterly reports to the Department that summarize the facility's resource recovery activities. MCDC must submit these reports in addition to the Generator's Hazardous Waste Summary Report.

PREPARED BY:

Joseph L. Trunko
Environmental Specialist II

APPROVED BY:

Mike Struckhoff
Unit Chief, Hazardous Waste

JLT/lv

Attachments

MISSOURI DEPARTMENT OF NATURAL RESOURCES
HAZARDOUS WASTE PROGRAM
LARGE QUANTITY GENERATOR

INSPECTION RECORD AND CHECKLIST

L
LQG-INSP

FOR FACILITIES THAT GENERATE/ACCUMULATE > 1000 Kg (2,200 lbs. or approximately, 5 drums)

NAME	DATE	EPA I.D. NUMBER
McDonnell Douglas Corporation - Tract II	3/22 & 3/23, 1994	MOD000818906
ADDRESS	**RR NO.**	**MO I.D. NUMBER**
P.O. Box 516, mail code 111 1041	0268-B	001348
CITY	**NUMBER OF EMPLOYEES**	**YEARS AT SITE** / **TELEPHONE NUMBER**
St. Louis	6,418 (shift)	≈ 30 / (314) 232-3319

FACILITY REPRESENTATIVE(S), TITLE(S)
Joe Haake, Group Manager - Environmental & Hazardous Materials Services

DESCRIPTION OF THE FACILITY'S OPERATIONS AND PLANT.

Included in Inspection Report

WASTE STREAMS

DESCRIBE EACH WASTE STREAM GENERATED INCLUDING THE PRODUCTION PROCESS	GENERATION RATE	EPA ID NUMBER	DISPOSITION
1. Numerous waste streams			
2. (Oils, solvents, paint-related material, acids & caustics) are largest waste streams			
3.			
4.			
5.			

CHECK ALL THAT APPLY (Specify if possible)

- ☑ NPDES Permit
- ☐ Septic Tank
- ☑ Air Permit
- ☐ Lead/Acid Batteries
- ☐ H.W. Burner/Blender/Marketer
- ☐ Precious Metal Reclamation
- ☐ POTW _____
- ☐ Solid Waste Landfill _____
- ☑ Waste Water Pretreatment

A. GENERAL

		COMMENTS
1. ☑ **Registered as a HW Generator** - Section 260.380.1 (1) RSMo and 10 CSR 25-5.262 (2)(A)	GGR	
2. ☑ **Facility determines if waste is hazardous** - 10 CSR 25-5.262(1) incorporating 40 CFR 262.11	GGR	
3. ☑ **Utilizes a licensed hazardous waste transporter** - Section 260.380.1 (5) RSMo	GGR	
4. ☑ **Utilizes authorized HW TSD or RR facility** - Section 260.380.1(7) RSMo	GGR	
5. ☑ **Facility does not operate as a TSD** - Section 260.390(1) RSMo	GGR	

PART 1: WALK-THROUGH INSPECTION

B. PRETRANSPORT, CONTAINERIZATION & STORAGE

		COMMENTS
1. ☑ **Storage does not exceed 90 days or 180/270 days if facility generates** ≤ 1000 Kg/month - 10 CSR 25-5.262(1) incorporating 40 CFR 262.34(a)	GPT	
2. ☑ **Containers in good condition** - 10 CSR 25-5.262(1) incorporating 40 CFR 262.34(a)(1) referencing 40 CFR 265.171	GPT	
3. ☑ **Waste compatible with container** - 10 CSR 25-5.262(1) incorporating 40 CFR 262.34(a)(1) referencing 40 CFR 265.172	GPT	
4. ☑ **Containers closed in storage** - 10 CSR 25-5.262(1) incorporating 40 CFR 262.34(a)(1) referencing 40 CFR 265.173(a)	GPT	
5. ☑ **Containers storing incompatible waste separated or protected from each other by a dike, berm or wall** - 10 CSR 25-5.262(1) incorporating 40 CFR 262.34(a)(1) referencing 40 CFR 265.177(c)	GPT	
6. ☐ **Container storage areas have a containment system if holding more than 1000 Kg of liquid hazardous waste** - 10 CSR 25-5.262 (2)(C)2.B.(I)	GOR	
7. ☑ **Base of containment system is impervious and free of cracks or gaps** - 10 CSR 25-5.262 (2)(C)2.B.(III)(a).	GOR	
8. ☑ **Containers protected from contact with accumulated liquids** - 10 CSR 25-5.262(2)(C)2.B.(III)(b).	GOR	
9. ☑ **Capacity of containment system = 10% of waste volume or volume of largest container, whichever is greater** - 10 CSR 25-5.262(2)(C)2.B.(III)(c).	GOR	
10. ☑ **Run-on onto the containment system is prevented or excess capacity is provided** - 10 CSR 25-5.262(2)(C)2.B.(III)(d).	GOR	
11. ☑ **Accumulated liquids removed to prevent overflow of containment** - 10 CSR 25-5.262(2)(C)2.B.(III)(e).	GOR	
12. ☑ **Containers of ignitable or reactive waste stored >50 ft. from property line (or meet requirements)** - 10 CSR 25-5.262(2)(C)5. referencing 40 CFR 265.176 as amended by 10 CSR 25-7.265(2)(I)7.and 8.	GPT	
13. ☑ **Containers clearly marked "hazardous waste"** - 10 CSR 25-5.262(1) incorporating 40 CFR 262.34(a)(3)	GPT	
14. ☐ **Waste packaged/labeled/marked per DOT during entire on-site storage period** - 10 CSR 25-5.262(2)(C)1.	GOR	
15. ☑ **Date of accumulation marked on containers** - 10 CSR 25-5.262(1) incorporating 40 CFR 262.34(a)(2)	GPT	
16. ☑ **Facility inspected and maintained (weekly)** - 10 CSR 25-5.262(2)(C)2.A.(I) and (II) referencing 40 CFR 265.174	GPT	
17. ☑ **Daily inspection of areas subject to spills, i.e., waste handling areas** - 10 CSR 25-5.262(2)(C)2.A.(II)	GOR	
18. ☑ **Adequate aisle space is available** - 10 CSR 25-5.262(1) incorporating 40 CFR 262.34(a)(4) referencing 40 CFR 265.35	GPT	
19. ☑ **Placards available for transporter** - 10 CSR 25-5.262(1) incorporating 40 CFR 262.33	GPT	
20. ☑ **"No Smoking" signs conspicuously placed by ignitable or reactive wastes** - 10 CSR 25-5.262(2)(C)2.D(II)	GOR	
21. ☐ **Waste oil containers in good condition, labeled and closed** - 10 CSR 25-11.010(3)(C)	GOR	

C. SATELLITE ACCUMULATION

		COMMENTS
1. ☑ **Containers kept closed** - 10 CSR 25-5.262(1) incorporating 40 CFR 262.34(c)(1)(i) referencing 40 CFR 265.173(a)	GPT	

2. ☑ **Containers in good condition** - 10 CSR 25-5.262(1) incorporating 40 CFR 262.34(c)(1)(i) referencing 40 CFR 265.171	GPT	**COMMENTS**
3. ☑ **Waste compatible with container** - 10 CSR 25-5.262(1) incorporating 40 CFR 262.34(c)(1)(i) referencing 40 CFR 265.172	GPT	
4. ☑ **Quantities accumulated not exceeding 55 gal. (1 quart of acutely-hazardous wastes)** - 10 CSR 25-5.262(1) incorporating 40 CFR 262.34(c)(1)	GPT	
5. ☑ **Satellite containers go to storage within 3 days of filling** - 10 CSR 25-5.262(1) incorporating 40 CFR 262.34(c)(2).	GPT	
6. ☐ **Container marked identifying contents & beginning date** - 10 CSR 25-5.262(2)(C)3.	GOR	
7. ☑ **Stored in satellite areas less than 1 year** - 10 CSR 25-5.262(2)(C)3.	GOR	

D. PREPAREDNESS AND PREVENTION AND EMERGENCY PROCEDURES

1. ☑ **Facility operated and maintained to minimize the possibility of an emergency** - 10 CSR 25-5.262(1) incorporating 40 CFR 262.34(a)(4) referencing 40 CFR 265.31	GPT	**COMMENTS**
2. ☑ **Adequate and proper spill control, decontamination and safety equipment available (fire blankets, respirators, SCBA, absorbents, etc.)** - 10 CSR 25-5.262 (2)(C)2.E.	GPT	
3. ☑ **Adequate water supply and fire control equipment** - 10 CSR 25-5.262(1) incorporating 40 CFR 262.34(a)(4) referencing 40 CFR 265.32(c) & (d)	GPT	
4. ☑ **Device in the hazardous waste operation area capable of summoning emergency assistance** - 10 CSR 25-5.262(1) incorporating 40 CFR 262.34(a)(4) referencing 40 CFR 265.34(a)	GPT	
5. ☑ **Telephone or two-way radio on-site and capable of summoning local fire or police department** - 10 CSR 25-5.262(1) incorporating 40 CFR 262.34(a)(4) referencing 40 CFR 265.32(b)	GPT	
6. ☑ **Communication and emergency equipment tested and maintained** - 10 CSR 25-5.262(1) incorporating 40 CFR 262.34(a)(4) referencing 40 CFR 265.33	GPT	

E. LQG TANKS

TANK DESIGNATION	CONTENTS	CAPACITY	CONTAINMENT	AGE
1.				
2.				
3. (No storage of hazardous waste in tanks)				
4.				
5.				

1. ☐ **Spill prevention controls in place and operating e.g. check valves, dry discount couplings** - 10 CSR 25-5.262(1) incorporating 40 CFR 262.34(a)(1) referencing 40 CFR 265.194(b)(1)	GPT	**COMMENTS**
2. ☐ **Overfill prevention controls in place and operating e.g. high level alarms, automatic feed cutoff, etc.** - 10 CSR 25-5.262(1) incorporating 40 CFR 262.34(a)(1) referencing 40 CFR 265.194(b)(2)	GPT	
3. ☐ **Sufficient freeboard in uncovered tanks to prevent overtopping** - 10 CSR 25-5.262(1) incorporating 40 CFR 262.34(a)(1) referencing 40 CFR 265.194(b)(3)	GPT	
4. ☐ **Waste or treatment method compatible with tank** - 10 CSR 25-5.262(1) incorporating 40 CFR 262.34(a)(1) referencing 40 CFR 265.194(a)	GPT	
5. ☐ **Incompatible wastes not placed in same tank** - 10 CSR 25-5.262(1) incorporating 40 CFR 262.34(a)(1) referencing 40 CFR 265.199(a)	GPT	
6. ☐ **Ignitable or reactive wastes rendered safe/protected from sources of ignition or reaction** - 10 CSR 25-5.262(1) incorporating 40 CFR 262.34(a)(1) referencing 40 CFR 265.198(a)(1) and (2)	GPT	
7. ☐ **Ignitable or reactive wastes treated/stored in accordance with NFPA's buffer zone requirements** - 10 CSR 25-5.262(1) incorporating 40 CFR 262.34(a)(1) referencing 40 CFR 265.198(b)	GPT	

8. ☐	**Volatiles with vapor pressure > 78 mm @ 25 C not placed in open tanks** - 10 CSR 25-5.262(2)(C)2.D.(I)	GOR
9. ☐	**Wastes and residues removed as hazardous waste and tank and equipment decontaminated upon closure** - 10 CSR 25-5.262(1) incorporating 40 CFR 262.34(a)(1) referencing 40 CFR 265.197(a)	GPT
10. ☐	**Secondary containment system provided for tanks and equipment; installed after July 14, 1986; storing dioxin waste; over 15 years old; of unknown age in facility over 15 years old; repaired, replaced or reinstalled after July 14, 1986** - 10 CSR 25-5.262(1) incorporating 40 CFR 262.34(a)(1) referencing 40 CFR 265.193(a)	GPT
11. ☐	**Secondary containment system constructed of or lined with impervious waste compatible material** - 10 CSR 25-5.262(1) incorporating 40 CFR 262.34(a)(1) referencing 40 CFR 265.193(c)(1)	GPT
12. ☐	**Containment system supported by base capable of preventing failure due to settlement, compression or uplift** - 10 CSR 25-5.262(1) incorporating 40 CFR 262.34(a)(1) referencing 40 CFR 265.193(c)(2)	GPT
13. ☐	**Containment system provided with a leak detection system capable of detecting a release within 24 hours** - 10 CSR 25-5.262(1) incorporating 40 CFR 262.34(a)(1) referencing 40 CFR 265.193(c)(3)	GPT
14. ☐	**Containment system sloped or designed to drain and remove liquids** - 10 CSR 25-5.262(2)(C)2.C. referencing 10 CSR 25-5.262(2)(C)2.B.(III)(b)	GOR
15. ☐	**Containment system capable of containing 100% of the capacity of the largest tank** - 10 CSR 25-5.262(2)(C)2.C. referencing 10 CSR 25-5.262(2)(C)2.B.(III)(c)	GOR
16. ☐	**Containment system free of cracks or gaps** - 10 CSR 25-5.262(2)(C)2.C. referencing 10 CSR 25-5.262(2)(C)2.B. (III)(a)	GOR
17. ☐	**Run-on onto containment system prevented or excess capacity is provided** - 10 CSR 25-5.262(2)(C)2.C. referencing 10 CSR 25-5.262(2)(C)2.B.(III)(d)	GOR
18. ☐	**Spilled or leaked waste and precipitation removed from secondary containment within 24 hours or as soon as possible** - 10 CSR 25-5.262(1) incorporating 40 CFR 262.34(a)(1) referencing 40 CFR 265.193(c)(4)	GPT
19. ☐	**Tanks are clearly labeled or marked "Hazardous Waste"** - 10 CSR 25-5.262(1) incorporating 40 CFR 262.34(a)(3)	GPT
20. ☐	**Daily inspections of overfill/spill control equipment, aboveground portions of tank system, secondary containment, and data gathered from monitoring equipment** - 10 CSR 25-5.262(1) incorporating 40 CFR 262.34(a)(1) referencing 40 CFR 265.195(a)	GPT
21. ☐	**Inspection log maintained** - 10 CSR 25-5.262(1) incorporating 40 CFR 262.34(a)(1) referencing 40 CFR 265.195(c)	GPT
22. ☐	**Cathodic protection systems inspected annually, impressed current sources every two months** - 10 CSR 25-5.262(1) incorporating 40 CFR 262.34(a)(1) referencing 40 CFR 265.195(b)	GPT
23. ☐	**Detailed written assessment by an independent, qualified, professional engineer for tanks installed after July 14, 1986, prepared and on-site**- 10 CSR 25-5.262(1) incorporating 40 CFR 262.34(a)(1) referencing 40 CFR 265.192	GPT
24. ☐	**Written assessment by an independent, qualified, professional engineer prepared and on-site for tanks lacking secondary containment** - 10 CSR 25-5.262(1) incorporating 40 CFR 262.34(a)(1) referencing 40 CFR 265.191	GPT
25. ☐	**Leak test, internal inspection or tank integrity exam performed annually and documented, by an independent, qualified, professional engineer for tanks lacking secondary containment** - 10 CSR 25-5.262(1) incorporating 40 CFR 262.34(a)(1) referencing 40 CFR 265.193(i)	GPT
26. ☐	**Leak/spill response resulted in: waste flow stopped immediately; waste removal; containment and removal of visible releases to the environment; notification and report; and repair or closure** - 10 CSR 25-5.262(1) incorporating 40 CFR 262.34(a)(1) referencing 40 CFR 265.196	GPT

COMMENTS

PART 2: RECORDS INSPECTION

F. MANIFESTS

		COMMENTS
1. ☑ **Facility uses manifest system** - 260.380.1.(6) RSMo, and 10 CSR 25-5.262(2)(B)	GMR	
2. ☑ **Records maintained for a 3-year period** - 10 CSR 25-5.262(1) incorporating 40 CFR 262.40(a)	GRR	
3. ☑ **Generator's MO & EPA I.D. Numbers** - 10 CSR 25-5.262(2)(B)	GOR	
4. ☑ **Manifest document, ID and consecutive shipment numbers** - 10 CSR 25-5.262(2)(B)2.A.	GOR	
5. ☑ **Generator's name, address and phone number** - 10 CSR 25-5.262(2)(B)2.	GMR	
6. ☑ **All transporters' names, phone numbers, MO & EPA I.D.#'s, license plate #** - 10 CSR 25-5.262(2)(B)2.	GMR	
7. ☑ **Designated facility name, address, phone, MO & EPA I.D. #,** - 10 CSR 25-5.262(2)(B)2.	GMR	
8. ☑ **DOT shipping name, Hazard Class and waste I.D. # (RQ - if required)** - 10 CSR 25-5.262(2)(B)2.	GMR	
9. ☑ **Containers, quantity and specific gravity designated** - 10 CSR 25-5.262(2)(B)2.	GMR	
10. ☑ **Manifest signed and dated** - 10 CSR 25-5.262(2)(B)2.	GMR	
11. ☑ **Out of state manifests have all required MO information** - 10 CSR 25-5.262(2)(B)4.A.	GOR	
12. ☑ **Manifest continuation sheets are not used** - 10 CSR 25-5.262(2)(B)1.	GOR	
13. ☑ **Manifest returned within 35 days - or exception report submitted within 45 days** - 10 CSR 25-5.262(2)(D)2.C.	GRR	
14. ☑ **Summary Manifest Reports and manifest copies sent to DNR quarterly** - 10 CSR 25-5.262(2)(D)1.	GOR	

G. LAND DISPOSAL RESTRICTIONS

		COMMENTS
1. ☑ **Tests waste or uses knowledge of waste to determine if the waste is restricted from land disposal** - 10 CSR 25-7.268(1) incorporating 40 CFR 268.7(a)	GLB	
2. ☑ **Dilution of waste to meet LDR treatment standards is not occurring** - 10 CSR 25-7.268(1) incorporating 40 CFR 268.3(a)	GLB	
3. ☑ **"Land-Ban" notification/certification, sent with manifests and retained on-site for five years** - 10 CSR 25-7.268(1) incorporating 40 CFR 268.7(a)	GLB	
4. ☑ **Notification/certification includes correct EPA Hazardous Waste number, corresponding treatment standards, manifest number, and waste analysis data** - 10 CSR 25-7.268(1) incorporating 40 CFR 268.7(a)	GLB	
5. ☑ **Waste analysis plan on-site and utilized if generator treats hazardous waste in tanks or containers to meet LDR treatment standards** - 10 CSR 25-7.268(1) incorporating 40 CFR 268.7(a)(4)	GLB	

H. PERSONNEL TRAINING

		COMMENTS
1. ☑ **Personnel are trained to respond to emergencies including the use of alarm systems, emergency equipment and contingency plan** - 10 CSR 25-5.262(1) incorporating 40 CFR 262.34(a)(4) referencing 40 CFR 265.16(a)(3).	GPT	
2. ☑ **Employees do not work in unsupervised positions until they have completed the training** - 10 CSR 25-5.262(1) incorporating 40 CFR 262.34(a)(4) referencing 40 CFR 265.16(b)	GPT	
3. ☑ **Training reviewed annually** - 10 CSR 25-5.262(1) incorporating 40 CFR 262.34(a)(4) referencing 40 CFR 265.16(c)	GPT	
4. ☑ **Program director trained in hazardous waste management procedures** - 10 CSR 25-5.262(1) incorporating 40 CFR 262.34(a)(4) referencing 40 CFR 265.16(a)(2)	GPT	
5. ☑ **Personnel training plan on-site** - 10 CSR 25-5.262(1) incorporating 40 CFR 262.34(a)(4) referencing 40 CFR 265.16(d)	GPT	

6. ☑ **Gives job title, job description and name of employee filling each position** - 10 CSR 25-5.262(1) incorporating 40 CFR 262.34(a)(4) referencing 40 CFR 265.16(d)(1) and (2)	GPT	**COMMENTS**
7. ☑ **Written description of introductory and continuing training that will be given to each position** - 10 CSR 25-5.262(1) incorporating 40 CFR 262.34(a)(4) referencing 40 CFR 265.16(d)(3)	GPT	
8. ☑ **Documentation of training completed by personnel** - 10 CSR 25-5.262(1) incorporating 40 CFR 262.34(a)(4) referencing 40 CFR 265.16(d)(4)	GPT	
9. ☑ **Records of current personnel maintained until facility closure, former employee records maintained for at least three years** - 10 CSR 25-5.262(1) incorporating 40 CFR 262.34(a)(4) referencing 40 CFR 265.16(e)	GPT	
I. CONTINGENCY PLAN		
1. ☑ **Contingency plan maintained on-site** - 10 CSR 25-5.262(1) incorporating 40 CFR 262.34(a)(4) referencing 40 CFR 265.53(a).	GPT	**COMMENTS**
2. ☑ **Plan submitted to local emergency response agencies** - 10 CSR 25-5.262(1) incorporating 40 CFR 262.34(a)(4) referencing 40 CFR 265.53(b)	GPT	
3. ☑ **Emergency coordinator on-site or on call** - 10 CSR 25-5.262(1) incorporating 40 CFR 262.34(a)(4) referencing 40 CFR 265.55	GPT	
4. ☑ **Plan describes actions personnel must take in response to fires, explosions or other releases of hazardous waste** - 10 CSR 25-5.262(1) incorporating 40 CFR 262.34(a)(4) referencing 40 CFR 265.52(a)	GPT	
5. ☑ **Describes arrangements with emergency response agencies** - 10 CSR 25-5.262(1) incorporating 40 CFR 262.34(a)(4) referencing 40 CFR 265.52(c)	GPT	
6. ☑ **Lists names, addresses and phone numbers (home and office) of emergency coordinators** - 10 CSR 25-5.262(1) incorporating 40 CFR 262.34(a)(4) referencing 40 CFR 265.52(d)	GPT	
7. ☑ **Primary emergency coordinator designated** - 10 CSR 25-5.262(1) incorporating 40 CFR 262.34(a)(4) referencing 40 CFR 265.52(d)	GPT	
8. ☑ **List emergency equipment including description, location and capabilities** - 10 CSR 25-5.262(1) incorporating 40 CFR 262.34(a)(4) referencing 40 CFR 265.52(e)	GPT	
9. ☑ **Evacuation plan, if applicable, designates primary and secondary routes and evacuation signal** - 10 CSR 25-5.262(1) incorporating 40 CFR 262.34(a)(4) referencing 40 CFR 265.52(f)	GPT	
J. WASTE OIL		
1. ☑ **Waste oil is managed properly and not disposed of into the environment** - 10 CSR 25-11.010(1)(D).	GOR	**COMMENTS**
2. ☑ **Listed hazardous waste mixed with waste oil is handled as a hazardous waste** - 10 CSR 25-11.010(1)(C)2.	GOR	
3. ☑ **Registered as waste oil generator if gen./accum. 220 lb.** - 10 CSR 25-11.010(2)(A)	GOR	
4. ☑ **Written waste oil contract maintained** - 10 CSR 25-11.010(4)(C)	GOR	
5. ☑ **Uses a licensed transorter and receiving facility** - 10 CSR 25-11.010(4)	GOR	
K. RESOURCE RECOVERY		
1. ☑ **RR certification for energy recovery or reclamation of waste oil or hazardous waste on-site** - 10 CSR 25-9.020(1)(A)3.	GOR	**COMMENTS**
2. ☑ **Still bottoms or RR residues disposed of properly** - Section 260.380.1(5) RSMo.	GOR	
3. ☑ **Facility is classified as U (R1) or R2 accurately** - 10 CSR 25-9.020(3)(A).	GOR	
4. ☑ **Facility meets the operating conditions of certification** - 10 CSR 25-9.020(30)(E)3.	GOR	
5. ☑ **Facility has submitted a written request and received approval from the DNR for all changes in operation including closure** - 10 CSR 25-9.020(3)(E) 1. and 2.	GOR	

6. ☐	**Facility report submitted to DNR quarterly** - 10 CSR 25-9.020(3)(E)6. referencing 10 CSR 25-7.264(2)(E)3.	GOR	**COMMENTS**
7. ☑	**Facility maintains a written operating record** - 10 CSR 25-9.020(3)(E)5. referencing 40 CFR 264.73(b)(1) & (2) as modified by 10 CSR 25-7.264(2)(E)2.	GOR	
8. ☑	**Facility has notified EPA and the state that it qualifies for a small quantity on-site burner exemption or has interim status or a permit if it burns hazardous waste on-site** - 10 CSR 25-7.266(1) incorporating 40 CFR 266.108 and 40 CFR 266.103.	GOR	
9. ☑	**R2 facility uses an adequate sampling and analysis plan to assess incoming shipments** - 10 CSR 25-9.020(3)(C)1.	GOR	
10. ☑	**R2 facility maintains a daily log of manifest number, wastes received, disposition of waste and corresponding sampling data** - 10 CSR 25-9.020(3)(C)2.	GOR	
11. ☑	**R2 facility has a written closure plan which meets 40 CFR 264.112 requirements** - 10 CSR 25-9.020(3)(C)3.	GOR	
12. ☑	**R2 facility provides financial assurance for closure** - 10 CSR 25-9.020(3)(C)4.	GOR	

CHECKLIST KEY

Check the ☑ if in compliance.

Circle the ☐ if not in compliance and provide comment.

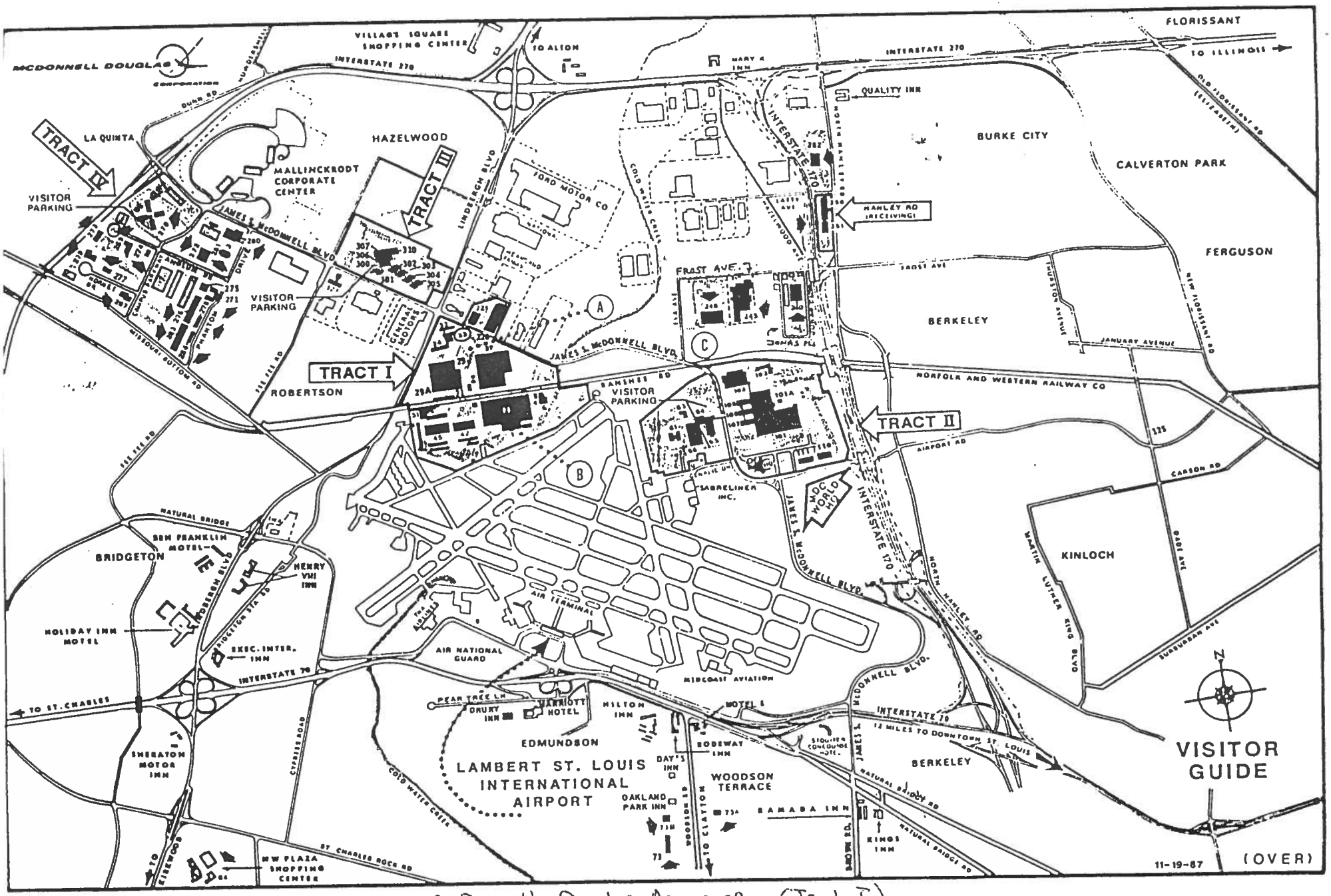
N/A = Not Applicable

A shaded item is a serious deviation from the requirements (Class I violation)

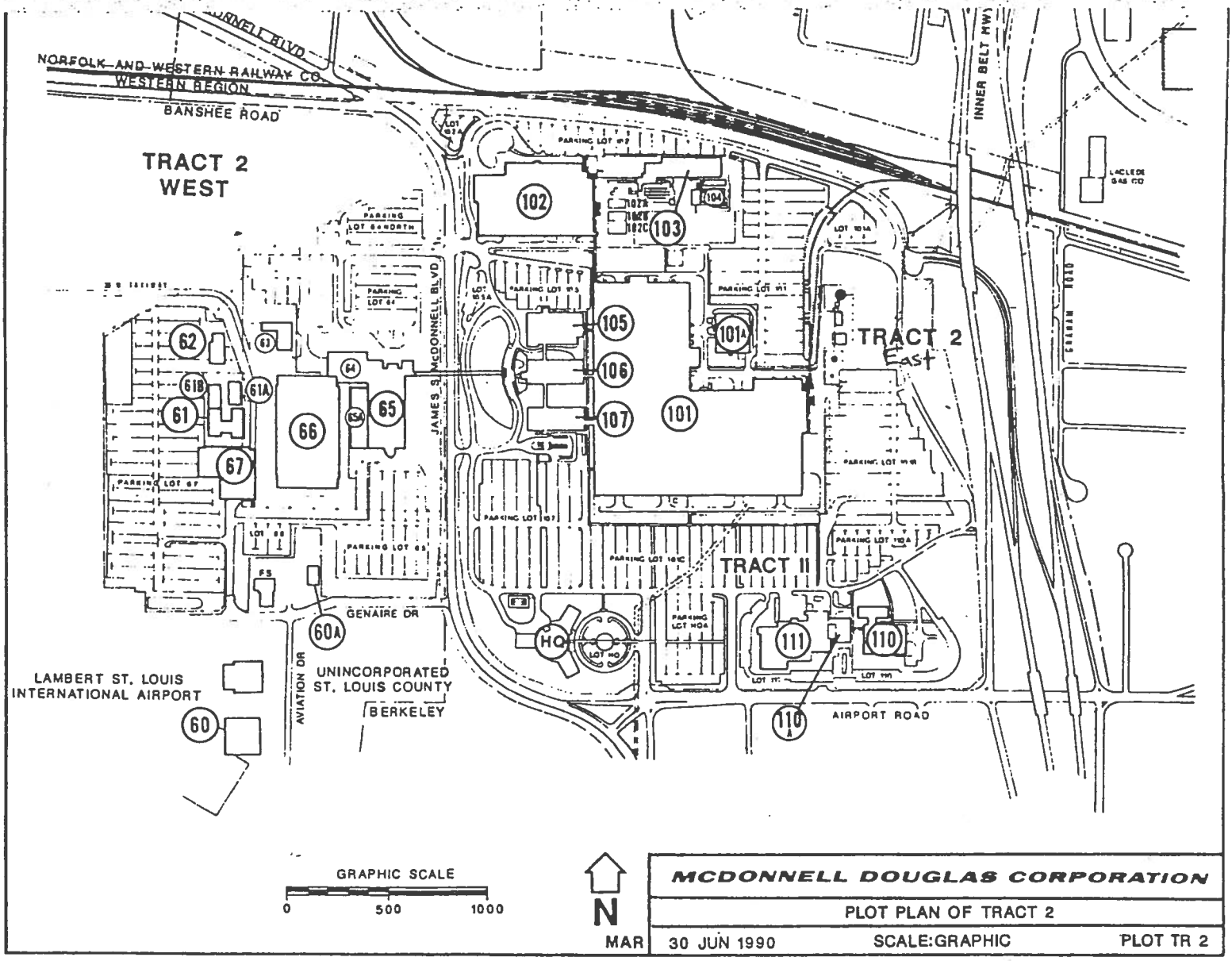
An unshaded item is a significant deviation from the requirements (Class II violation unless conditions warrant Class I)

COMMENTS: INCLUDE DISCUSSION OF FACILITY'S WASTE MINIMIZATION PLAN

INSPECTOR'S SIGNATURE	DATE
Joseph L. Trumbo	3/30/94



McDonnell Douglas Aerospace (Tract I)
MOD 000 818963
001001
050 0622.24002
RR D268-A


NORFOLK AND WESTERN RAILWAY CO.
WESTERN REGION
BANSHEE ROAD
TRACT 2
WEST
TRACT 2
East
TRACT II
McDONNELL BLVD
JAMES S.
INNER BELT HWY
GENAIRE DR
AVIATION DR
LAMBERT ST. LOUIS
INTERNATIONAL AIRPORT
UNINCORPORATED
ST. LOUIS COUNTY
BERKELEY
AIRPORT ROAD
HQ
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103
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61B
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GRAPHIC SCALE
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MCDONNELL DOUGLAS CORPORATION
PLOT PLAN OF TRACT 2
30 JUN 1990
SCALE:GRAPHIC
PLOT TR 2

MISSOURI DEPARTMENT OF NATURAL RESOURCES
HAZARDOUS WASTE PROGRAM
P.O. BOX 176
JEFFERSON CITY, MISSOURI 65102
(314) 751-3176

MCDONNELL DOUGLAS CORPORATION TRACT II
CONTACT: JOE HAAKE
MCDONNELL BLVD. & AIRPORT RD.
ST. LOUIS MO 63134

EPAID=MOD000818906 MOID=001248

GENERATOR'S HAZARDOUS WASTE SUMMARY REPORT - PART I

GENERATOR'S EPA I.D. NUMBER	GENERATOR'S MISSOURI I.D. NUMBER
M.O.D.0.0.0.8.1.8.9.0.6	0.0.1.2.4.8

NOTE: THE FEDERAL EPA AND MISSOURI GENERATOR I.D. NUMBERS ARE ASSIGNED EXCLUSIVELY TO THE SITE WHERE WASTE IS PRODUCED. YOU MUST NOTIFY THE DEPARTMENT IF THE ADDRESS FOR THE SITE OF GENERATION CHANGES

NOTE ▶ PLEASE READ INSTRUCTIONS AND EITHER PRINT OR TYPE

SECTION A - REPORT IDENTIFICATION

1. TYPE OF REPORT (CHECK ONE)
☒ QUARTERLY ☐ ANNUAL
(IF ANNUAL CHECKED, PLACE X IN 6-30 BOX)

2. FOR THE PERIOD ENDING (CHECK ONE & FILL IN YEAR)
☐ 9-30-___ (YEAR) ☒ 12-31-93 (YEAR)
☐ 3-31-___ (YEAR) ☐ 6-30-___ (YEAR)

3. PAGE 1 OF 7

SECTION B - GENERATOR IDENTIFICATION

NOTE: Any change in either the mailing or site address from previous reports requires renotification to the Department.

4. GENERATOR'S NAME ☒ SAME AS LABEL
MCDONNELL DOUGLAS CORPORATION

5. GENERATOR CONTACT PERSON (NAME) ☒ SAME AS LABEL
JOE HAAKE

TELEPHONE NUMBER
314-232-3319

6. MAILING ADDRESS
P.O. BOX 516, MAIL CODE 1003377

CITY
ST. LOUIS

STATE
MO

ZIP CODE
63166

7. PLANT SITE ADDRESS ☒ SAME AS LABEL
MCDONNELL BLVD. & AIRPORT RD.

CITY
ST. LOUIS

STATE
MO

ZIP CODE
63134

8. NAME OF PARENT FIRM
MCDONNELL DOUGLAS CORPORATION

OFFICE USE ONLY

SECTION C - STATUS OF WASTE GENERATED (CHECK ONE)

9 [X] SHIPPED OFF-SITE. Complete part 2, attach completed hazardous waste manifests, sign certification and transmit to the department.

10 [ ] REPORTABLE QUANTITY NOT GENERATED. Sign certification and transmit to the department (Do not complete Part 2)

11 [ ] REPORTABLE QUANTITY GENERATED BUT NOT SHIPPED OFF-SITE THIS QUARTER. Sign certification and transmit to the department (Do not complete Part 2)

SECTION D - COMMENTS

12.

SECTION E - CERTIFICATION STATEMENT

I certify under penalty of law that I have personally examined and am familiar with the information submitted in this and all attached documents and that based on my inquiry of those individuals immediately responsible for obtaining the information, I believe that the submitted information is true, accurate, and complete. I am aware that there are significant penalties for submitting false information, including the possibility of fine and imprisonment.

PRINT NAME	SIGNATURE	DATE
ROBERT H. KAATMAN	Robert H. Kaatman	10 Feb 94

MISSOURI DEPARTMENT OF NATURAL RESOURCES
HAZARDOUS WASTE PROGRAM
P.O. BOX 176
JEFFERSON CITY, MISSOURI 65102
(314) 751-3176

GENERATOR'S HAZARDOUS WASTE REPORT SUMMARY SHEET - PART II

BEFORE COPYING FORM, ENTER THE GENERATOR'S NAME AND IDENTIFICATION NUMBERS AS SHOWN ON PART I.

GENERATOR NAME: McDonnell Douglas Corporation

EPA ID NUMBER: M.O.D.0.0.0.8.1.8.9.0.6

MISSOURI I D NUMBER: 0.0.1.2.4.8

NOTE ▶ PLEASE READ INSTRUCTIONS AND EITHER PRINT OR TYPE

ATTENTION: Summarize all shipments made to the Hazardous Waste Management Facility you have identified in Section G below. Additional pages are required for each off-site management facility utilized.

SECTION F - REPORT IDENTIFICATION (AS SHOWN ON PART I)

1. FOR THE PERIOD ENDING (CHECK ONE & FILL IN YEAR)
☐ 9-30-___ (YEAR) ☒ 12-31-93 (YEAR)
☐ 3-31-___ (YEAR) ☐ 6-30-___ (YEAR)

2. PAGE 2 OF 7

SECTION G - FACILITY IDENTIFICATION

3. FACILITY NAME (NAME OF OFF-SITE LOCATION WHERE WASTE WAS DELIVERED): McDonnell Douglas Corporation

4. FACILITY'S EPA I.D. NUMBER: M.O.D.0.0.0.8.1.8.9.6.3

5. FACILITY SITE ADDRESS: Lindbergh & McDonnell Blvd.

6. FACILITY'S MISSOURI I.D. NUMBER: R.R.0.2.6.8

CITY: Hazelwood | STATE: MO | ZIP CODE: 63042

SECTION H - WASTE IDENTIFICATION

LINE	7. DESCRIPTION OF WASTE SHIPPED TO THE FACILITY LISTED ABOVE	8. DOT HAZARD CODE	9. EPA HAZARDOUS WASTE NUMBER	10. TAX CODE (SEE INST.)	11. TOTAL AMOUNT OF WASTE	12. UNIT OF MEAS.	13. SPECIFIC GRAVITY	14. FINAL HANDLING CODE
1	Acid from oxide removal on metal surfaces	02	D002 D007		94	P		S01
2	Acid from chemical conversion coating	02	D002 D007		1,502	P		S01
3	Acid from stainless steel pickling/plating	02	D002 D007		566	P		S01
4	Acid from metal surface passivate	02	D002 D006 D007 D008		1,037	P		S01
5	Water-emulsified cutting oil		D098		440	P		S01
6	Chlorinated solvent from painting/paint removal	13	F001 F002 D040		3,498	P		S01
7	Jet aircraft fuel contaminated with oil/water	01	D001 D018		1,073	P		S01
8								

SECTION I - TRANSPORTATION SERVICES UTILIZED

	15. COMPANY NAME	16. MISSOURI ID NO	17. US EPA I D NUMBER
a	McDonnell Douglas Corporation	H..1039	M.O.D.0.0.0.8.1.8.9.6.3
b		H..	
c		H..	

SECTION J - COMMENTS

18.

MISSOURI DEPARTMENT OF NATURAL RESOURCES
HAZARDOUS WASTE PROGRAM
P.O. BOX 176
JEFFERSON CITY, MISSOURI 65102
(314) 751-3176

GENERATOR'S HAZARDOUS WASTE REPORT SUMMARY SHEET - PART II

BEFORE COPYING FORM, ENTER THE GENERATOR'S NAME AND IDENTIFICATION NUMBERS AS SHOWN ON PART I.

GENERATOR NAME: McDonnell Douglas Corporation

EPA ID NUMBER: M O D 0 0 0 8 1 8 9 0 6

MISSOURI ID NUMBER: 0 0 1 2 4 8

NOTE ▶ PLEASE READ INSTRUCTIONS AND EITHER PRINT OR TYPE

ATTENTION: Summarize all shipments made to the Hazardous Waste Management Facility you have identified in Section G below. Additional pages are required for each off-site management facility utilized.

SECTION F - REPORT IDENTIFICATION (AS SHOWN ON PART I)

1. FOR THE PERIOD ENDING (CHECK ONE & FILL IN YEAR)
☐ 9-30-___ (YEAR) ☒ 12-31-93 (YEAR)
☐ 3-31-___ (YEAR) ☐ 6-30-___ (YEAR)

2. PAGE: 3 OF 7

SECTION G - FACILITY IDENTIFICATION

3. FACILITY NAME (NAME OF OFF-SITE LOCATION WHERE WASTE WAS DELIVERED): McDonnell Douglas Corporation

4. FACILITY'S EPA I.D. NUMBER: M O D 0 0 0 8 1 8 9 6 3

5. FACILITY SITE ADDRESS: Lindbergh & McDonnell Blvd.

6. FACILITY'S MISSOURI I.D. NUMBER: R R 0 2 6 8

CITY: Hazelwood | STATE: MO | ZIP CODE: 63042

SECTION H - WASTE IDENTIFICATION

LINE	7. DESCRIPTION OF WASTE SHIPPED TO THE FACILITY LISTED ABOVE	8. DOT HAZARD CODE	9. EPA HAZARDOUS WASTE NUMBER	10. TAX CODE (SEE INST.)	11. TOTAL AMOUNT OF WASTE	12. UNIT OF MEAS.	13. SPECIFIC GRAVITY	14. FINAL HANDLING CODE
1	Ignitible solvents from painting/metal cleaning	0 8	D 0 0 1 / D 0 0 7 / D 0 0 8 / F 0 0 2		11,880	P	.	S 0 1
2			F 0 0 3 / F 0 0 5 / D 0 3 5				.	
3	Flammable/chlorinated solvents	0 8	D 0 0 1 / D 0 0 7 / D 4 0 / F 0 0 2		4,093	P	.	S 0 1
4			F 0 0 3 / F 0 0 5				.	
5	Flammable/chlorinated solvents	0 8	D 0 0 1 / D 0 0 7 / D 0 0 8 / F 0 0 2		4,093	P	.	S 0 1
6			F 0 0 3 / F 0 0 5				.	
7	Oil contaminated with chlorinated solvents	1 3	F 0 0 1 / F 0 0 2 / D 0 3 9 / D 4 0		979	P	.	S 0 1
8	Oil contaminated with chlorinated solvents	1 3	F 0 0 3 / F 0 0 2 / F 0 0 5		30,841	P	.	S 0 1

SECTION I - TRANSPORTATION SERVICES UTILIZED

	15. COMPANY NAME	16. MISSOURI ID NO.	17. US EPA ID NUMBER
a	McDonnell Douglas Corporation	H 1 0 3 9	M O D 0 0 0 8 1 8 9 6 3
b		H	
c		H	

SECTION J - COMMENTS

18.

MISSOURI DEPARTMENT OF NATURAL RESOURCES
HAZARDOUS WASTE PROGRAM
P.O. BOX 176
JEFFERSON CITY, MISSOURI 65102
(314) 751-3176

GENERATOR'S HAZARDOUS WASTE REPORT SUMMARY SHEET - PART II

BEFORE COPYING FORM, ENTER THE GENERATOR'S NAME AND IDENTIFICATION NUMBERS AS SHOWN ON PART I.

GENERATOR NAME: McDonnell Douglas Corporation

EPA ID NUMBER: M.O.D.0.0.0.8.1.8.9.0.6

MISSOURI I D NUMBER: 0.0.1.2.4.8

NOTE ▶ PLEASE READ INSTRUCTIONS AND EITHER PRINT OR TYPE

ATTENTION: Summarize all shipments made to the Hazardous Waste Management Facility you have identified in Section G below. Additional pages are required for each off-site management facility utilized.

SECTION F - REPORT IDENTIFICATION (AS SHOWN ON PART I)

1. FOR THE PERIOD ENDING (CHECK ONE & FILL IN YEAR)
☐ 9-30-___ (YEAR) ☒ 12-31-93 (YEAR)
☐ 3-31-___ (YEAR) ☐ 6-30-___ (YEAR)

2. PAGE 4 OF 7

SECTION G - FACILITY IDENTIFICATION

3. FACILITY NAME (NAME OF OFF-SITE LOCATION WHERE WASTE WAS DELIVERED): McDonnell Douglas Corporation

4. FACILITY'S EPA I.D. NUMBER: M O D 0 0 0 8 1 8 9 6 3

5. FACILITY SITE ADDRESS: Lindbergh & McDonnell Blvd.

6. FACILITY'S MISSOURI I.D. NUMBER: R R 0 2 6 8

CITY: Hazelwood | STATE: MO | ZIP CODE: 63042

SECTION H - WASTE IDENTIFICATION

LINE	7. DESCRIPTION OF WASTE SHIPPED TO THE FACILITY LISTED ABOVE	8. DOT HAZARD CODE	9. EPA HAZARDOUS WASTE NUMBER	10. TAX CODE (SEE INST.)	11. TOTAL AMOUNT OF WASTE	12. UNIT OF MEAS.	13. SPECIFIC GRAVITY	14. FINAL HANDLING CODE
1	Flammable laboratory chemicals	08	D001		200	P		S01
2	Stripping/cleaning bath from electroplating	18	D003 D004 F007		144	P		S01
3	Waste nickel solution				2,830	P		S01
4	Arsenic/cadmium	02	D004 D006		500	P		S01
5								
6								
7								
8								

SECTION I - TRANSPORTATION SERVICES UTILIZED

	15. COMPANY NAME	16. MISSOURI ID NO	17. US EPA I.D. NUMBER
a	McDonnell Douglas Corporation	H..1.0.3.9	M.0.D.0.0.0.8.1.8.9.6.3
b		H..	
c		H..	

SECTION J - COMMENTS

18.

MISSOURI DEPARTMENT OF NATURAL RESOURCES
HAZARDOUS WASTE PROGRAM
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EPA ID NUMBER: M.O.D.0.0.0.8.1.8.9.0.6

MISSOURI I D NUMBER: 0.0.1.2.4.8

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SECTION F - REPORT IDENTIFICATION (AS SHOWN ON PART I)

1. FOR THE PERIOD ENDING (CHECK ONE & FILL IN YEAR)
   - ☐ 9-30-___ (YEAR)
   - ☒ 12-31-93 (YEAR)
   - ☐ 3-31-___ (YEAR)
   - ☐ 6-30-___ (YEAR)

2. PAGE 5 OF 7

SECTION G - FACILITY IDENTIFICATION

3. FACILITY NAME (NAME OF OFF-SITE LOCATION WHERE WASTE WAS DELIVERED): Safety-Kleen Corporation

4. FACILITY'S EPA I.D. NUMBER: M O D 0 9 5 4 8 6 3 1 2

5. FACILITY SITE ADDRESS: 4526 Towne Ct., Harvestowne Industrial Park

CITY: St. Charles | STATE: MO | ZIP CODE: 63304

6. FACILITY'S MISSOURI I.D. NUMBER: H H0.0.2.3

SECTION H - WASTE IDENTIFICATION

LINE	7. DESCRIPTION OF WASTE SHIPPED TO THE FACILITY LISTED ABOVE	8. DOT HAZARD CODE	9. EPA HAZARDOUS WASTE NUMBER	10. TAX CODE (SEE INST.)	11. TOTAL AMOUNT OF WASTE	12. UNIT OF MEAS.	13. SPECIFIC GRAVITY	14. FINAL HANDLING CODE
1	Combustible solvent from painting/metal cleaning	0 1	D 0 0 1		1,214	P		T 5 4
2	Corrosive liquid from parts cleaning	0 2	D 0 0 6, D 0 0 8		39	P		T 5 4
3								
4								
5								
6								
7								
8								

SECTION I - TRANSPORTATION SERVICES UTILIZED

	15. COMPANY NAME	16. MISSOURI ID NO	17. US EPA I D NUMBER
a	Safety-Kleen Corporation	H - - 1 2 7 3	M O D 0 9 5 4 8 6 312
b		H -	
c		H -	

SECTION J - COMMENTS

18.

MO 780-1097 (8-91) MANIFEST SUMMARY REPORT DNR-HWG-11

MISSOURI DEPARTMENT OF NATURAL RESOURCES
HAZARDOUS WASTE PROGRAM
P.O. BOX 176
JEFFERSON CITY, MISSOURI 65102
(314) 751-3176

GENERATOR'S HAZARDOUS WASTE REPORT SUMMARY SHEET - PART II

BEFORE COPYING FORM, ENTER THE GENERATOR'S NAME AND IDENTIFICATION NUMBERS AS SHOWN ON PART I.

GENERATOR NAME: McDonnell Douglas Corporation

EPA ID NUMBER: M.O.D.0.0.0.8.1.8.9.0.6

MISSOURI I.D. NUMBER: 0.0 .1 .2 .4 .8

NOTE ▶ PLEASE READ INSTRUCTIONS AND EITHER PRINT OR TYPE

ATTENTION: Summarize all shipments made to the Hazardous Waste Management Facility you have identified in Section G below. Additional pages are required for each off-site management facility utilized.

SECTION F - REPORT IDENTIFICATION (AS SHOWN ON PART I)

1. FOR THE PERIOD ENDING (CHECK ONE & FILL IN YEAR)
☐ 9-30-___ (YEAR) ☒ 12-31-93 (YEAR)
☐ 3-31-___ (YEAR) ☐ 6-30-___ (YEAR)

2. PAGE: 6 OF 7

SECTION G - FACILITY IDENTIFICATION

3. FACILITY NAME (NAME OF OFF-SITE LOCATION WHERE WASTE WAS DELIVERED): McDonnell Douglas Corporation

4. FACILITY'S EPA I.D. NUMBER: M·O·D·0·0·0·8·1·8·9·0·6

5. FACILITY SITE ADDRESS: Airport Rd. & McDonnell Blvd.

6. FACILITY'S MISSOURI I.D. NUMBER: R·R·0·2·6·8

CITY: St. Louis | STATE: MO | ZIP CODE: 63134

SECTION H - WASTE IDENTIFICATION

LINE	7. DESCRIPTION OF WASTE SHIPPED TO THE FACILITY LISTED ABOVE	8. DOT HAZARD CODE	9. EPA HAZARDOUS WASTE NUMBER	10. TAX CODE (SEE INST.)	11. TOTAL AMOUNT OF WASTE	12. UNIT OF MEAS.	13. SPECIFIC GRAVITY	14. FINAL HANDLING CODE
1	Ignitible solvents from painting/metal cleaning	08	F·0·0·3 / D·0·0·1 / F·0·0·5 / D·0·0·7		2,529	P		T 5 4
2								
3								
4								
5								
6								
7								
8								

SECTION I - TRANSPORTATION SERVICES UTILIZED

	15. COMPANY NAME	16. MISSOURI ID NO.	17. US EPA I.D. NUMBER
a	None (on-site recovery)	H·-	
b		H·-	
c		H·-	

SECTION J - COMMENTS

18.

MISSOURI DEPARTMENT OF NATURAL RESOURCES
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GENERATOR'S HAZARDOUS WASTE REPORT SUMMARY SHEET - PART II

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EPA ID NUMBER: M.O.D.0.0.0.8.1.8.9.0.6

MISSOURI ID NUMBER: 0 .0 .1 .2 .4 .8

NOTE ▶ PLEASE READ INSTRUCTIONS AND EITHER PRINT OR TYPE

ATTENTION: Summarize all shipments made to the Hazardous Waste Management Facility you have identified in Section G below. Additional pages are required for each off-site management facility utilized.

SECTION F - REPORT IDENTIFICATION (AS SHOWN ON PART I)

1. FOR THE PERIOD ENDING (CHECK ONE & FILL IN YEAR)
☐ 9-30- ___ (YEAR) ☒ 12-31- 93 (YEAR)
☐ 3-31- ___ (YEAR) ☐ 6-30- ___ (YEAR)

2. PAGE 7 OF 7

SECTION G - FACILITY IDENTIFICATION

3. FACILITY NAME (NAME OF OFF-SITE LOCATION WHERE WASTE WAS DELIVERED): Rollins Environmental Services (TX) Inc.

4. FACILITY'S EPA I.D. NUMBER: T·X·D·0·5·5·1·4·1·3·7·8

5. FACILITY SITE ADDRESS: P.O. Box 609, 2027 Battleground Rd.

6. FACILITY'S MISSOURI I.D. NUMBER: I·N·T·X·1·6

CITY: Deer Park | STATE: TX | ZIP CODE: 77536

SECTION H - WASTE IDENTIFICATION

LINE	7. DESCRIPTION OF WASTE SHIPPED TO THE FACILITY LISTED ABOVE	8. DOT HAZARD CODE	9. EPA HAZARDOUS WASTE NUMBER	10. TAX CODE (SEE INST.)	11. TOTAL AMOUNT OF WASTE	12. UNIT OF MEAS.	13. SPECIFIC GRAVITY	14. FINAL HANDLING CODE
1	Debris from aircraft servicing/painting	15	D·0·0·7 F·0·0·2 F·0·0·3 F·0·0·5		30,540	P	.	T 0 3
2							.	
3							.	
4							.	
5							.	
6							.	
7							.	
8							.	

SECTION I - TRANSPORTATION SERVICES UTILIZED

	15. COMPANY NAME	16. MISSOURI ID NO.	17. US EPA I.D. NUMBER
a	Peoria Disposal Company	H· ·1·1·9·1	I·L·D·0·0·9·8·4·8·1·9·3
b		H·	
c		H·	

SECTION J - COMMENTS

18.

TEXAS WATER COMMISSION
P.O. Box 13087, Capitol Station
Austin, Texas 78711-3087

Please print or type. (Form designed for use on elite (12-pitch) typewriter.)

Form approved. OMB No. 2050-0039. expires 09-30-91

UNIFORM HAZARDOUS WASTE MANIFEST

1. Generator's US EPA ID No.: MOD000818906 — Manifest Document No.: [illegible]

2. Page 1 of 1

Information in the shaded areas is not required by Federal law.

3. Generator's Name and Mailing Address:
McDonnell Douglas Corporation, Mail Code 1003377
Airport Rd. & McDonnell Blvd., St. Louis, MO 63134

4. Generator's Phone (314) 232-3319

A. State Manifest Document Number: 00158304

B. State Generator's ID: 001248/99929

5. Transporter 1 Company Name: Peoria Disposal Company

6. US EPA ID Number: ILD000984819З

C. State Transporter's ID: IL-1191/41297

D. Transporter's Phone: 309-674-5176

7. Transporter 2 Company Name: N

8. US EPA ID Number:

E. State Transporter's ID

F. Transporter's Phone

9. Designated Facility Name and Site Address:
Rollins Environmental Services (TX) Inc.
P.O. Box 609, 2027 Battleground Rd.
Deer Park, TX 77536

10. US EPA ID Number: TXD055141378

G. State Facility's ID: HW-50089001

H. Facility's Phone: 713-930-2300

11A. HM	11. US DOT Description (including Proper Shipping Name, Hazard Class, and ID Number)	12. Containers No.	Type	13. Total Quantity	14. Unit Wt/Vol	I. Waste No.
X	a. RQ , hazardous waste, solid, N.O.S. (paint/solvent contaminated material) 9, NA3077, PGIII (D007/F002/F003/F005) ERG # 31	001	CM	04300	P	D007 980450
	b.					
	c.					
	d.					

J. Additional Descriptions for Materials Listed Above
also F002/F003/F005 MO ID 038 MO-48964-22

K. Handling Codes for Wastes Listed Above

15. Special Handling Instructions and Additional Information LICENSE - [illegible]
[illegible] Emergency contact: 314-232-2285
"If unable to deliver to designated TSD facility, return to generator."

16. **GENERATOR'S CERTIFICATION:** I hereby declare that the contents of this consignment are fully and accurately described above by proper shipping name and are classified, packed, marked, and labeled, and are in all respects in proper condition for transport by highway according to applicable international and national government regulations, including applicable state regulations.
If I am a large quantity generator, I certify that I have a program in place to reduce the volume and toxicity of waste generated to the degree I have determined to be economically practicable and that I have selected the practicable method of treatment, storage, or disposal currently available to me which minimizes the present and future threat to human health and the environment; OR, if I am a small quantity generator, I have made a good faith effort to minimize my waste generation and select the best waste management method that is available to me and that I can afford.

Printed/Typed Name: Edward R. Hickey — Signature: [signature] — Month Day Year: 03 22 94

17. Transporter 1 Acknowledgement of Receipt of Materials
Printed/Typed Name: PAUL CASEY — Signature: [signature] — Date Month Day Year: 03 21 94

18. Transporter 2 Acknowledgement of Receipt of Materials
Printed/Typed Name — Signature — Date Month Day Year

19. Discrepancy Indication Space

20. Facility Owner or Operator: Certification of receipt of hazardous materials covered by this manifest except as noted in Item 19.
Printed/Typed Name — Signature — Date Month Day Year

ROLLINS ENVIRONMENTAL SERVICES

LAND DISPOSAL RESTRICTION (LDR) NON-WASTEWATER NOTIFICATION

Section A, B, C, & D Completed by Generator (Instructions on Page 2)

SECTION A. GENERATOR NOTIFICATION

1. GENERATOR: McDonnell Douglas Corporation 2. EPA I.D. NO.: MO0000818906

3. MANIFEST NO.: 001248-0888 00158304 4. STREAM NO.: HO-48964-22

5. PURSUANT TO 40 CFR §268.7, I am notifying (Check One):

☐ RES (NJ) ☐ RES (LA) ☒ RES (TX) ☐ RES of LA ☐ OPC ☐ TET

that under the above RES Waste Stream number, I am shipping to you one of the following types of waste.

(Check either (a) or (b) only):

a. ☐ A ***non-wastewater*** (other than contaminated debris) identified by the EPA waste code(s) and subcategory(ies) that I have checked in Section D. of this form. Submit Attachment 1 for F001-F005, F039, and California List wastes only.

b. ☒ A ***hazardous debris*** waste identified by the EPA waste code(s) and subcategory(ies) that I have checked in Section D. of this form. Submit Attachment 1 for F001-F005, F039, and California List wastes only.

PLEASE NOTE: Hazardous debris is solid material exceeding 60 mm particle size and which contains on its surface or in its pores a waste subject to the Land Disposal Restriction. (Regulatory Reference 40 CFR §268.2 [g] and [h]). The requirement for treatment of hazardous debris pursuant to 40 CFR §268.45 becomes effective May 8, 1993.

SECTION B. CALIFORNIA LIST APPLICABILITY FOR EPA HAZARDOUS WASTES

Check one or more box(es) below, if applicable (DOES NOT apply to ***newly listed*** wastes).

1. ☐ A D001-D011 liquid[1] or non-liquid waste containing halogenated organic compounds (HOCs) ≥ 1000 ppm as specified in 40 CFR §268, Appendix III.

2. ☐ A liquid[1] hazardous waste containing polychlorinated biphenyls (PCBs)[2] ≥ 50 ppm.

3. ☐ A D001-D017 liquid[1] waste containing ≥ 134 mg/l of nickel and/or ≥ 130 mg/l of thallium.

4. ☐ A liquid[1] or non-liquid hazardous waste subject to a National Capacity Variance which meets the definition of a California List Waste (Refer to Attachment 1 [page 2] for the California List definition).

[1] To determine whether a waste is liquid or contains ***free liquid***, use the Paint Filter Test (EPA SW-846, Method 9095).
[2] Incineration in a TSCA permitted incinerator [RES (TX) only].

SECTION C. GENERATOR CERTIFICATION (Authorized Representative)

I hereby certify and warrant that all the information supplied on this form and all associated documents represents a complete and accurate identification of this waste material.

1. Print or Type Name: Deborah S. Quargnenti 2. Date: 03/21/94

3. Signature: Deborah S Quargnent 4. Title: Sr. dept. assistant

PLEASE NOTE: If your waste already meets relevant treatment standards or your waste is a wastewater or an Appendix IV or Appendix V Lab Pack, please contact your Rollins Sales/Customer Service office for the additional or alternate certification form. For your convenience regional office addresses and phone numbers are listed on the back of Attachment 1.

Turn to Page 2

SECTION D.
WASTE TREATMENT STANDARD TABLES
NON-WASTEWATER

INSTRUCTIONS

1. After completion of Sections A, B, and C on page 1, check *ALL* EPA waste codes applicable to this waste in Section D provided for you on pages 2, 3, and 4. For any waste codes not listed in Section D, additional space has been provided on page 4.

   PLEASE NOTE: In Section D you are only required to check the applicable EPA waste code listed under Column 1. Columns 2, 3, and 4 have been completed in advance by Rollins Environmental Services in accordance with the Land Disposal Restrictions.

2. Attachment 1, Notification of F001-F005, F039, and California List wastes, should be submitted only for those wastes.

DEFINITIONS
(As Referenced in Waste Treatment Standard Tables)

1. EPA WASTE CODE SUBCATEGORIES:

- A = Anhydrous
- ALK = Alkaline
- C = Corrosive
- CB = Cadmium Battery
- CS = Calcium Sulfate
- E = Explosives
- H = Hydrated
- HM = High Mercury (≥260 mg/kg)
- LB = Lead Acid Battery
- LIQ = Liquid
- LM = Low Mercury (<260 mg/kg)
- NCS = Non-Calcium Sulfate
- OX = Oxidizer
- R = Reactive
- RC = Reactive Cyanides
- RS = Reactive Sulfides
- S = Solid
- TOC = Total Organic Carbon
- WR = Water Reactive
- WW = Wastewater (<1% Total Organic Carbon and < 1% Total Suspended Solids)

2. TECHNOLOGY CODES:

- ADGAS = Venting of Compressed Gases followed by neutralization (INCIN acceptable technology)
- DEACT = Deactivation of hazardous characteristics (INCIN acceptable technology)
- IMERC = Incineration of organics and mercury contaminated waste
- INCIN = Incineration
- STABL = Stabilization

"D" CHARACTERISTIC WASTE CODES
Check All Applicable Waste Code(s)

(1) EPA CODE NUMBER	(2) 40 CFR §268.41 CCWE	(3) 40 CFR §268.42 TECH	(4) 40 CFR §268.43 CCW
☐ D001GAS	N.A.	DEACT	N.A.
☐ D001LIQ <10%TOC	N.A.	DEACT	N.A.
☐ D001LIQ >10%TOC	N.A.	INCIN	N.A
☐ D001OX	N.A.	DEACT	N.A.
☐ D001R	N.A.	DEACT	N.A.
☐ D002ACID	N.A.	DEACT	N.A.
☐ D002ALK	N.A.	DEACT	N.A.
☐ D002C	N.A.	DEACT	N.A.
D003E	DO NOT ACCEPT		
☐ D003R	N.A.	DEACT	N.A.
☐ D003RC	N.A.	N.A.	✓
☐ D003RS	N.A.	DEACT	N.A.
☐ D003WR	N.A.	DEACT	N.A.
☐ D004	✓	N.A.	N.A.
☐ D005	✓	N.A.	N.A.
☐ D006	✓	N.A.	N.A.
D006CB	DO NOT ACCEPT		
☐ D007	✓	N.A.	N.A.
D008LB	DO NOT ACCEPT		
☐ D008	✓	N.A.	N.A.
D009HM	DO NOT ACCEPT		
☐ D009LM	✓	N.A.	N.A.
☐ D010	✓	N.A.	N.A.
☐ D011	✓	N.A.	N.A.
☐ D012	N.A.	N.A.	✓
☐ D013	N.A.	N.A.	✓
☐ D014	N.A.	N.A.	✓

(1) EPA CODE NUMBER	(2) 40 CFR §268.41 CCWE	(3) 40 CFR §268.42 TECH	(4) 40 CFR §268.43 CCW
☐ D015	N.A.	N.A.	✓
☐ D018	N.A.	N.A	✓
☐ D017	N.A.	N.A.	✓
☐ D018	NEWLY LISTED WASTE Not Currently Regulated Under Land Disposal Restrictions		
☐ D019			
☐ D020			
☐ D021			
☐ D022			
☐ D023			
☐ D024			
☐ D025			
☐ D026			
☐ D027			
☐ D028			
☐ D029			
☐ D030			
☐ D031			
☐ D032			
☐ D033			
☐ D034			
☐ D035			
☐ D036			
☐ D037			
☐ D038			
☐ D039			
☐ D040			
☐ D041			
☐ D042			
☐ D043			

"F" LISTED WASTE CODES
Check All Applicable Waste Code(s)

(1) EPA CODE NUMBER	(2) 40 CFR §268.41 CCWE	(3) 40 CFR §268.42 TECH	(4) 40 CFR §268.43 CCW
☐ F001*	✓	N.A.	✓
☐ F002*	✓	N.A.	✓
☐ F003*	✓	N.A.	✓
☐ F004*	✓	N.A.	✓
☐ F005*	✓	INCIN**	✓
☐ F006	✓	N.A.	✓
☐ F007	✓	N.A.	✓
☐ F008	✓	N.A.	✓
☐ F009	✓	N.A.	✓
☐ F010	N.A.	N.A.	✓
☐ F011	✓	N.A.	✓
☐ F012	✓	N.A.	✓
☐ F019	✓	N.A.	✓
F020	DO NOT ACCEPT		

(1) EPA CODE NUMBER	(2) 40 CFR §268.41 CCWE	(3) 40 CFR §268.42 TECH	(4) 40 CFR §268.43 CCW
F021	DO NOT ACCEPT		
F022	DO NOT ACCEPT		
F023	DO NOT ACCEPT		
☐ F024	✓	INCIN	✓
☐ F026	N.A.	N.A.	✓
F026	DO NOT ACCEPT		
F027	DO NOT ACCEPT		
F028	DO NOT ACCEPT		
☐ F032	NEWLY LISTED WASTE Not Currently Regulated Under Land Disposal Restrictions		
☐ F034			
☐ F036			
☐ F037	National Capacity Variance		
☐ F038			
☐ F039*	✓	N.A.	✓

* Submit Attachment 1; see note in CCWE Table for F001-F005.
** INCIN only for 2-Nitropropane, 2-Ethyoxyethanol

Turn to Page 3

ADDITIONAL LDR NOTIFICATION
• F001-F005, F039

ATTACHMENT
NON-WASTEWATE.

NOTIFICATION FOR F001-F005 SPENT SOLVENTS

1. Table CCWE - Constituent Concentrations in Waste Extract

REGULATED HAZARDOUS CONSTITUENT	NWW CONC. (mg/l)	REGULATED HAZARDOUS CONSTITUENT	NWW CONC. (mg/l)	REGULATED HAZARDOUS CONSTITUENT	NWW CONC. (mg/l)	*PLEASE NOTE:* The treatment standard for these constituents apply to F001-F005 wastes which contain only one, two, or all three of these constituents.
Carbon disulfide	4.81	Cyclohexanone	0.75	Methanol	0.75	

2. Table CCW -- Constituent Concentrations in Wastes

REGULATED HAZARDOUS CONSTITUENT	NWW CONC. (mg/kg)	REGULATED HAZARDOUS CONSTITUENT	NWW CONC. (mg/kg)	REGULATED HAZARDOUS CONSTITUENT	NWW CONC. (mg/kg)	REGULATED HAZARDOUS CONSTITUENT	NWW CONC (mg/kg
Acetone	160	o-Dichlorobenzene	6.2	Methyl isobutyl ketone	33	1,1,2-Trichloroethane	7.6
Benzene	3.7	Ethyl acetate	33	Nitrobenzene	14	Trichloroethylene	5.6
n-Butylalcohol	2.6	Ethyl benzene	6.0	Pyridine	16	1,1,2-Trichloro-1,2,2-trifluoroethane	28
Carbon tetrachloride	5.6	Ethyl ether	160	Tetrachloroethylene	5.6		
Chlorobenzene	5.7	Isobutyl alcohol	170	Toluene	28	Trichloromonofluro-methane	33
Cresol (m- & p-isomers)	3.2	Methylene chloride	33	1,1,1-Trichloro-ethane	5.6		
o-Cresol	5.6	Methyl ethyl ketone	36			Xylene (Total)	28

NOTIFICATION FOR F039 MULTI-SOURCE LEACHATE

1. Table CCWE -- Constituent Concentrations in Waste Extract

REGULATED HAZARDOUS CONSTITUENT	NWW CONC. (mg/l)	REGULATED HAZARDOUS CONSTITUENT	NWW CONC. (mg/l)	REGULATED HAZARDOUS CONSTITUENT	NWW CONC. (mg/l)	REGULATED HAZARDOUS CONSTITUENT	NWW CONC. (mg/l)
Antimony	0.23	Cadmium	0.066	Mercury	0.025	Silver	0.072
Arsenic	5.0	Chromium (Total)	5.2	Nickel	0.32		
Barium	52.0	Lead	0.51	Selenium	5.7		

2. Table CCW - Constituent Concentrations in Wastes

REGULATED HAZARDOUS CONSTITUENT	NWW CONC. (mg/kg)	REGULATED HAZARDOUS CONSTITUENT	NWW CONC. (mg/kg)	REGULATED HAZARDOUS CONSTITUENT	NWW CONC. (mg/kg)	REGULATED HAZARDOUS CONSTITUENT	NWW CONC. (mg/kg)
Acetone	160.0	Benzo(a)anthracene	8.2	bis(2-Chloroethoxyl methane	7.2	o,p'-DDD	0.087
Acenaphtalene	3.4	Benzo(b)fluoranthene	3.4			p,p'-DDD	0.087
Acenaphthene	4.0	Benzo(k)fluoranthene	3.4	bis(2-Chloroethyl) ether	7.2	o,p'-DDE	0.087
Acetophenone	9.7	Benzo(g,h,i)perylene	1.5	Chloroform	5.6	p,p'-DDE	0.087
2-Acetylaminofluorene	140	Benzo(a)pyrene	8.2	bis(2-Chloroisopropyl) ether	7.2	o,p'-DDT	0.087
Acrylonitrile	84	Bromodichloromethane	15	p-Chloro-m-cresol	14	p,p'-DDT	0.087
Aldrin	0.066	Bromoform	15	Chloromethane (Methyl chloride)	33	Dibenzo(a,h)anthracene	8.2
Aniline	14	Bromomethane (methyl bromide)	15			m-Dichlorobenzene	6.2
Anthracene	4.0			2-Chloroaphthalene	5.6	o-Dichlorobenzene	6.2
Aroclor 1016	0.92	4-Bromophenyl phenyl ether	15	2-Chlorophenol	5.7	p-Dichlorobenzene	6.2
Aroclor 1221	0.92	n-Butyl alcohol	2.6	3-Chloropropene	28	Dichlorodifluoromethane	7.2
Aroclor 1232	0.92	Butyl benzylphthalate	7.9	Chrysene	8.2	1,1-Dichloroethane	7.2
Aroclor 1242	0.92	2-sec Butyl-4,6 dinitrophenol	2.5	o-Cresol	5.6	1,2-Dichloroethane	7.2
Aroclor 1248	0.92			Cresol (m- and p-isomers)	3.2	1,1-Dichloroethylene	33
Aroclor 1254	1.8	Carbon tetrachloride	5.6	1,2-Dibromo-3-chloropropane	15	trans 1,2-Dichloroethene	33
Aroclor 1260	1.8	Chlordane	0.13			2,4-Dichlorophenol	14
alpha-BHC	0.066	p-Chloroaniline	16	1,2-Dibromoethane (Ethylene dibromide)	15	2,6-Dichlorophenol	14
beta-BHC	0.066	Chlorobenzene	5.7			1,2-Dichloropropane	18
delta-BHC	0.066	Chlorodibromo-methane	15	Dibromomethane	15	cis 1,3-Dichloropropene	18
gamma-BHC	0.066			2,4-Dichlorophenoxyacetic acid (2,4-D)	10	trans 1,3-Dichloropropene	18
Benzene	36	Chloroethane	6.0			Dieldrin	0.13

NOTIFICATION FOR E039 MULTI-SOURCE LEACHATE

2. Table CCW - Constituent Concentrations in Wastes

REGULATED HAZARDOUS CONSTITUENT	NWW CONC. (mg/kg)	REGULATED HAZARDOUS CONSTITUENT	NWW CONC. (mg/kg)	REGULATED HAZARDOUS CONSTITUENT	NWW CONC. (mg/kg)	REGULATED HAZARDOUS CONSTITUENT	NWW CONC. (mg/kg)
Diethyl phthalate	28	Fluorotrichloromethane	33	Methyl parathion	4.6	Pyridine	16
2,4-Dimethyl phenol	14	Heptachlor	0.066	Naphthalene	3.1	Safrole	22
Dimethyl phthalate	28	Heptachlor epoxide	0.066	p-Nitroaniline	28	Silvex (2,4,5-TP)	7.9
Di-n-butyl phthalate	28	Hexachlorobenzene	37	Nitrobenzene	14	2,4,5-T	7.9
1,4-Dinitrobenzene	2.3	Hexachlorobutadiene	28	5-Nitro-o-toluidine	28	1,2,4,5,-Tetra chlorobenzene	19
4,6-Dinitro-o-cresol	160	Hexachlorocyclopentadiene	3.6	4-Nitrophenol	29		
2,4-Dinitrophenol	160	Hexachlorodibenzo-furans	0.001	N-Nitrosodiethylamine	28	Tetrachlorodibenzo-furans	0.001
2,4-Dinitrotoluene	140	Hexachlorodibenzo-p-dioxins	0.001	N-Nitroso-di-n-butylamine	17	Tetrachlorodibenzo-p-dioxins	0.001
2,6-Dinitrotoluene	28			N-Nitrosomethylethylamine	2.3		
Di-n-octyl phthalate	28	Hexachloroethane	28	N-Nitrosomorpholine	2.3	1,1,1,2-Tetrachloroethane	42
Di-n-propylnitrosoamine	14	Hexachloropropene	28	N-Nitrosopipendine	35	1,1,2,2-Tetrachloroethane	42
1,4-Dioxane	170	Indeno(1,2,3,-c,d)pyrene	8.2	N-Nitrosopyrrolidine	35	Tetrachloroethene	5.6
Disulfoton	6.2	Iodomethane	65	Parathion	4.6	2,3,4,6-Tetrachlorophenol	37
Endosulfan I	0.066	Isobutanol	170	Pentachlorobenzene	37	Toluene	28
Endosulfan II	0.13	Isodrin	0.066	Pentachlorodibenzo-furans	0.001	Toxaphene	1.3
Endosulfan sulfate	0.13	Isosafrole	2.6	Pentachlorodibenzo-p-dioxins	0.001	1,2,4-Trichlorobenzene	19
Endrin	0.13	Kepone	0.13			1,1,1-Trichloroethane	5.6
Endrin aldehyde	0.13	Methacrylonitrile	84	Pentachloronitrobenzene	4.8	1,1,2-Trichloroethane	5.6
Ethyl acetate	33	Methapyridene	1.5	Pentachlorophenol	7.4	Trichloroethylene	5.6
Ethyl cyanide	360	Methoxychlor	0.18	Phenacetin	16	2,4,5-Trichlorophenol	37
Ethyl benzene	6.0	3-Methylcholanthrene	15	Phenanthrene	3.1	2,4,6-Trichlorophenol	37
Ethyl ether	160	4,4-Methylene-bis(2-chloroaniline	35	Phenol	6.2	1,2,3-Trichloropropane	28
bis(2-Ethylhexyl) phthalate	28			Phorate	4.6	1,1,2-Trichloro-1,2,2-trifluoro-ethane	28
Ethyl methacrylate	160	Methylene chloride	33	Propanenitrile (ethyl cyanide)	360		
Famphur	15	Methyl ethyl ketone	36			Vinyl chloride	33
Fluoranthene	8.2	Methyl isobutyl ketone	33	Pronamide	1.5	Xylene(s)	28
Fluorene	4.0	Methyl methacrylate	160	Pyrene	8.2	Cyanides (Total)	1.8

CALIFORNIA LIST NOTIFICATION

CALIFORNIA LIST DEFINITION	TREATMENT
Liquid[1] or non-liquid hazardous wastes containing halogenated organic compounds (HOCs) ≥ 1000 ppm as specified in 40 CFR §268, Appendix III.	RCRA INCIN
Liquid[1] hazardous wastes containing polychlorinated biphenyls (PCBs) ≥ 50 ppm.	TSCA/RCRA INCIN
Liquid[1] hazardous wastes having a pH ≤ 2.	Neutralize
Liquid[1] hazardous wastes containing the following: Free cyanides ≥ 1000 ppm; Arsenic ≥ 500 mg/l; Cadmium ≥ 100 mg/l; Chromium ≥ 500 mg/l; Lead ≥ 500 mg/l; Mercury ≥ 120 mg/l; Nickel ≥ 134 mg/l; Selenium ≥ 100 mg/l; Thallium ≥ 130 mg/l [1] Including Free Liquids	Treat to below California List concentration or to non-liquid form.

ES (NJ) Inc.
. O. Box 337
ridgeport, NJ 08014
09/467-3105

RES (TX) Inc.
P. O. Box 609
Deer Park, TX 77536
713/930-2300

RES (IL) Inc.
P. O. Box 726
Bensenville, IL 60106
708/616-9000

Rollins OPC Inc.
1848 E. 55th Street
Los Angeles, CA 90058
213/585-5068

ES (LA) Inc.
. O. Box 74137
atonRouge, LA 70874-4137
04/778-3535

RES of LA Inc.
Route 2, Box 1200
Plaquemine, LA 70764
504/659-2434

RES (CA) Inc.
3777 Spinnaker Ct.
Fremont, CA 94538
510/226-1680

Tipton Env. Technology
P. O. Box 849
Tipton, MO 65081
816/433-5585

INDIANA DEPARTMENT OF ENVIRONMENTAL MANAGEMENT
OFFICE OF SOLID AND HAZARDOUS WASTE MANAGEMENT
P.O. Box 7035
Indianapolis, IN 46207-7035

PLEASE PRINT OR TYPE (Form designed for use on elite (12-pitch) typewriter.) Form Approved. OMB No. 2050-0039. Expires 9-30-94

UNIFORM HAZARDOUS WASTE MANIFEST

1. Generator's US EPA No.: MOD000818906
Manifest Document No.: 00885
2. Page 1 of 1
Information in the shaded areas is not required by Federal law, but items D, F, H, I and K are required by State law.

3. Generator's Name and Mailing Address
McDonnell Douglas Corporation, Mail Code 1003377
Airport Rd. & McDonnell Blvd., St. Louis, MO 63134
4. Generator's Phone (314) 232-3319

A. State Manifest Document Number: INA 0910029
B. State Generator's ID: 001248

5. Transporter 1 Company Name: Heritage Transport, Inc.
6. US EPA ID Number: IND058484114
C. State Transporter's ID: H-1464
D. Transporter's Phone: 317-241-9406

7. Transporter 2 Company Name: None
8. US EPA ID Number:
E. State Transporter's ID:
F. Transporter's Phone:

9. Designated Facility Name and Site Address
Heritage Environmental Services, Inc.
7901 West MorrissStreet
Indianapolis IN 46231
10. US EPA ID Number: IND093219012
G. State Facility's ID: IND093219012
H. Facility's Phone: 317-243-0811

11. US DOT Description (Including Proper Shipping Name, Hazard Class, and ID Number)	12. Containers No.	Type	13. Total Quantity	14. Total Wt/Vol.	I. Waste No.
a. RQ, waste corrosive liquids, N.O.S. (nitric/hydrofluoric acid) 8, UN1760, PGII (D002/D004/D007) ERG #60	001	TT	28840	P	D002
b.					
c.					
d.					

J. Additional Descriptions for Materials Listed Above
also D004/D007 MO ID 012 21373-1

K. Handling Codes for Wastes Listed Above
D85

15. Special Handling Instructions and Additional Information
"If unable to deliver to designated TSD facility, return to generator."
Emergency contact: 314-232-2285
LICENCE #534928

16. GENERATOR'S CERTIFICATION: I hereby declare that the contents of this consignment are fully and accurately described above by proper shipping name and are classified, packed, marked, and labeled, and are in all respects in proper condition for transport by highway according to applicable international and national government regulations.

If I am a large quantity generator, I certify that I have a program in place to reduce the volume and toxicity of waste generated to the degree I have determined to be economically practicable and that I have selected the practicable method of treatment, storage, or disposal currently available to me which minimizes the present and future threat to human health and the environment; OR, if I am a small quantity generator, I have made a good faith effort to minimize my waste generation and select the best waste management method that is available to me and that I can afford.

Printed/Typed Name: EDMOND D. HICKEY — Signature: [signature] — Date: Month 03 Day 10 Year 94

17. Transporter 1 Acknowledgement of Receipt of Materials
Printed/Typed Name: Steve Eickleberry — Signature: [signature] — Date: Month 03 Day 10 Year 94

18. Transporter 2 Acknowledgement of Receipt of Materials
Printed/Typed Name: — Signature: — Date: Month Day Year

19. Discrepancy Indication Space

20. Facility Owner or Operator: Certification of receipt of hazardous materials covered by this manifest except as noted in Item 19.
Printed/Typed Name: GERRY LYKINS — Signature: [signature] — Date: Month 03 Day 10 Year 94

In case of a spill call the Indiana Office of Environmental Response ... National Response Center at 800/424-8802 or 202/426-2675.

INA0910029

EPA Form 8700-22
Previous editions are obsolete
State Form 11365 (R/4-89)

HERITAGE ENVIRONMENTAL SERVICES, INC.
Land Disposal Restrictions Notification Form
Characteristic Wastes (D001-D011)

Complete the front and back of this form. Retain one copy for 5 yrs along with the generator copy of the manifest. Attach the original to the manifest for shipment to Heritage.

Generator/Customer Name McDonnell Douglas Corp. -

Address Airport Rd. + McDonnell Blvd., St. Louis, MO 63134

EPA I.D. MOD000818906 EPA Hazardous Waste No. D002-D004-D007

Hazardous Manifest No. 21373-1 0910029 Heritage Wastestream No. 21373-1 012

In accordance with the Hazardous and Solid Waste Amendments of 1984 (HSWA) of the Resource Conservation and Recovery Act which restricts the land disposal of hazardous wastes, we are notifying HERITAGE by marking the appropriate box(es) that indicate the Hazardous Waste number, Subcategory, Treatability Group, Treatment Standard Reference and Five Letter Treatment Code to comply with the Land Disposal Restrictions contained at 40 CFR Part 268.

Hazardous Waste Number	Subcategory	Treatability Group		Treatment Standard Reference	Five Letter Treatment Code
		Wastewater	*Non-Wastewater*		
☐ *D001 (see note below)	All descriptions based on 40 CFR 261.21, except for the § 261.21(a)(1) High TOC subcategory, managed in non-CWA/non-CWA equivalent/non-Class 1 SDWA systems	☐	☐	268.41, 268.42, 268.43	DEACT, and meet F039
☐ D001	All descriptions based on 40 CFR 261.21, except for the § 261.21(a)(1) High TOC subcategory, managed in non-CWA/non-CWA equivalent/non-Class 1 SDWA systems	☐	☐	268.42	FSUBS; RORGS; or INCIN
☐ D001	All descriptions based on 40 CFR 261.21, except for the § 261.21(a)(1) High TOC subcategory, managed in CWA/CWA equivalent/Class 1 SDWA systems	☐	☐	268.42	DEACT
☐ D001	All descriptions based on 40 CFR 261.21(a)(1) ≥10% TOC Ignitable Liquids	NA	☐	268.42	FSUBS; RORGS or INCIN
☐ *D002 (see note below)	managed in non-CWA/non-CWA equivalent/non-Class 1 SDWA systems	☐	☐	268.41, 268.42, 268.43	DEACT and meet F039
☒ D002	managed in CWA/CWA equivalent/Class 1 SDWA systems	☐	☒	268.42	DEACT
☐ D003	Reactive cyanides	☐	☐	268.43	NA
☐ D003	Reactive sulfides	☐	☐	268.42	DEACT
☐ D003	Water Reactive	NA	☐	268.42	DEACT
☒ D004	NA	☐	☒	268.41, 268.43	NA
☐ D005	NA	☐	☐	268.41, 268.43	NA
☐ D006	NA	☐	☐	268.41, 268.43	NA
☒ D007	NA	☐	☒	268.41, 268.43	NA
☐ D008	NA	☐	☐	268.41, 268.43	NA
☐ D009	(<260 mg/kg Total Hg)	☐	☐	268.41, 268.43	NA
☐ D010	NA	☐	☐	268.41, 268.43	NA
☐ D011	NA	☐	☐	268.41, 268.43	NA

* If this box is checked, you must also complete the attached F039 Leachate/Underlying Constituents Supplemental Form.

This form continues on reverse side.

☐ This material does not contain HOCs greater than 1,000 ppm (see Appendix III, 40 CFR Part 268).

☐ This shipment includes additional wastes identified below:

Hazardous Waste No.	Subcategory	Treatability Group	CFR Reference Treatment Standards	Five Letter Treatment Code as Applicable

I CERTIFY that the information submitted herein and all accompanying information is true and accurate.

☐ Analysis is attached.

Authorized signature: Deborah S Quargnenti

Print or Type Name: D.S. Quargnenti

Title: Sr. Dept. Assistant

Date: 3-10-94

Heritage is providing this sample Land Disposal Restriction Notification form as a courtesy to our customers. Heritage does not warrant the acceptability of this form to EPA or for any specific purpose, waste or treatment method and does not warrant that its use will constitute compliance with applicable law. Heritage will not assume any responsibility or liability, and expressly disclaims responsibility or liability, for any penalties, damages or other costs which may arise out of or be related to use of this document. Each person who makes a Land Disposal Restriction notification is responsible for ensuring that it complies with and fulfills applicable law. If you choose to use this sample form, please review it carefully to ensure it complies with the requirements for your specific waste(s).

STRUCTIONS FOR THE COM-
TION OF THIS FORM ARE ON A
PARATE SHEET

S DOCUMENT MUST BE USED
R ALL MISSOURI-DESTINED
PMENTS

MISSOURI DEPARTMENT OF NATURAL RESOURCES
Division of Environmental Quality
Hazardous Waste Program
P.O. Box 176 Jefferson City, Missouri 65102
314-751-3176

HAZARDOUS WASTE MANIFEST

EMERGENCY RESPONSE
U S COAST GUARD
1-800-424-8802
CHEM TREC
1-800-424-9300
DEPT OF NATURAL RESOURCES
314-634-2436

ase print or type (Form designed for use on elite (12-pitch) typewriter)

Form Approved OMB No 2050-0039 Expires 9-30-94

UNIFORM HAZARDOUS WASTE MANIFEST

1. Generator's US EPA ID No: M O D 0 0 0 8 1 8 9 0 6 — Manifest Document No: 0 0 8 8 4

2. Page 1 of 1

Information in the shaded areas is required by State law.

3. Generator's Name and Mailing Address
McDonnell Douglas Corporation, Mail Code 1003377
Airport Rd. & McDonnell Blvd., St. Louis, MO 63134

4. Generator's Phone (314) 232-3319

A. Missouri Manifest Document Number: 0 0 1 2 4 8 [redacted] 0 8 8 4

B. G.S.I. (Gen. Site Address): 001248 Same

5. Transporter 1 Company Name: McDonnell Douglas Corporation

6. US EPA ID Number: M O D 0 0 0 8 1 8 9 6 3

C. MO. Trans. ID: H-1039

D. Transporter's Phone: 314-232-9327

7. Transporter 2 Company Name: None

8. US EPA ID Number:

E. MO. Trans. ID:

F. Transporter's Phone:

9. Designated Facility Name and Site Address
McDonnell Douglas Corporation
Lindbergh & McDonnell Blvd.
Hazelwood, MO 63042

10. US EPA ID Number: M O D 0 0 0 8 1 8 9 6 3

G. State Facility's ID: RR0268 MOD000818963

H. Facility's Phone: 314-232-3319

11. US DOT Description (Including Proper Shipping Name, Hazard Class, and ID Number)	12. Containers Number	Type	13. Total Quantity	14. Unit Wt/Vol.	I. Waste No.
a. RQ, waste caustic alkali liquids, N.O.S. (sodium tetraborate) 8, UN1719, PGII (D002/D007) ERG # 60	001	DM	00050	G	EPA WASTE CODE D002 / STATE None
b. RQ, waste paint-related material 3, UN1263, PGII (D001/D007/D008/F002/F003/F005) (D035) ERG # 26	003	DM	00150	G	EPA WASTE CODE D001 / STATE None
c. RQ, hazardous waste liquid, N.O.S. (oil contaminated with chlorinated solvents) 9, NA3082, PGIII (D039/D040/F001/F002) ERG # 31	006	DM	00300	G	EPA WASTE CODE F001 / STATE None
d.					EPA WASTE CODE / STATE

J. Additional Descriptions for Materials Listed Above	K.	HANDLING CODE (FACILITY USE ONLY) INTERIM	FINAL	COMMENTS
a. also D007 MO ID 029 S.G. 1.047	a.	S01	T04	
b. also D007/D008/F002/F003/F005/D035 MOID 043 S.G. .862	b.	S01	T04	
c. also F002/D039/D040 MOID 047 S.G. .857	c.	S01	T04	
d.	d.			

15. Special Handling Instructions and Additional Information
"If unable to deliver to designated TSD facility, return to generator."
Emergency contact: 314-232-2285 (14-370)

16. GENERATOR'S CERTIFICATION. I hereby declare that the contents of this consignment are fully and accurately described above by proper shipping name and are classified, packed, marked, and labeled, and are in all respects in proper condition for transport by highway according to applicable international and national government regulations and applicable state regulations.
If I am a large quantity generator, I certify that I have a program in place to reduce the volume and toxicity of waste generated to the degree I have determined to be economically practicable and that I have selected the practicable method of treatment, storage, or disposal currently available to me which minimizes the present and future threat to human health and the environment; OR, if I am a small quantity generator, I have made a good faith effort to minimize my waste generation and select the best waste management method available to me that I can afford.

Printed/Typed Name	Signature	Month	Day	Year
Charles E. Kutteron	Charles E. Kutteron	03	10	94

17. Transporter 1 Acknowledgement of Receipt of Materials

Printed/Typed Name	Signature	Month	Day	Year
Joan Chapman	J Chapman	10	31	1994

18. Transporter 2 Acknowledgement of Receipt of Materials

Printed/Typed Name	Signature	Month	Day	Year

19. Discrepancy Indication Space

20. Designated Facility Owner or Operator: Certification of receipt of hazardous materials covered by this manifest except as noted in Item 19.

Printed/Typed Name	Signature	Month	Day	Year
A. ODELL McCOLLOUGH	A. Odell McCollough	10	31	1994

A Form 8700-22 (Rev. 8-91) MDNR-HWG 10

MISSOURI DNR FINAL COPY — PART 1

THIS COPY MUST BE SENT BACK TO THE GENERATOR BY THE DESIGNATED FACILITY THEN TRANSMITTED TO THE DEPARTMENT BY THE GENERATOR.

LAND DISPOSAL RESTRICTIONS NOTIFICATION

McDonnell Douglas Corporation - St. Louis
P.O. Box 516, MC 0343530, St. Louis, MO 63166
(314) 232-3319

Generator EPA ID: MOD000818906 EPA Waste ID: D002-D007

Manifest No.: 001248-0884 Facility Wastestream No.: 029

This form is submitted in compliance with 40 CFR 269.

I. WASTE IDENTIFICATION

Identify all U.S. EPA hazardous waste number(s), subcategory(ies) and treatability group(s) applicable to this waste shipment.

A. D001:
1) Ignitable Liquids: ___a) NWW[1] TOC ≥10%; ___b) NWW[1] 1% to <10% TOC; ___c) WW[2]
___2) Ignitable Compressed Gases; ___3) Ignitable Reactives; ___4) Oxidizers

B. D002: ___1) Acids; X 2) Alkaline; ___3) Other Corrosives

C. D003: ___1) Reactive Cyanides; ___2) Reactive Sulfides; ___3) Explosives;
___4) Water Reactives; ___5) Other Reactives

D. ___D009: ___K106: ___U151: ___1) Low Mercury; ___2) High Mercury

E. F025: ___1) Light Ends; ___2) Spent Filters/Aids & Desiccants

F. K061: ___1) Low Zinc; ___2) High Zinc

G. ALL OTHER U.S. EPA HAZARDOUS WASTE NUMBERS — SUBCATEGORIES (IF APPLICABLE)

D007	None

H. Treatability Group (if not previously indicated):
___Wastewater; ___Non-Wastewater; List any others ___

II. LAND DISPOSAL RESTRICTIONS

___A. Restricted wastes with EPA hazardous waste number(s) ___ have treatment standards expressed as constituent concentrations in waste extract (CCWE) per 40 CFR 268.41.

X B. Restricted wastes with EPA hazardous waste number(s) D007 have treatment standards expressed as constituent concentrations in waste (CCW) per 40 CFR 268.43.

X C. Restricted wastes with EPA hazardous waste number(s) D008 have treatment standards expressed as a specific technology per 40 CFR 268.42. List the applicable five-letter treatment code:
___INCIN: X DEACT: ___STABL: Other ___

___D. Wastes with EPA hazardous waste number(s) ___ having a treatment standard based on incineration and are contaminated soil and debris, are not subject to the land disposal prohibition until ___.

___E. Wastes with EPA hazardous waste number(s) ___ subject to other variance, extention or exemptions: Specify ___.

[1]Non-Wastewater; [2]Wastewater

F. Waste for which applicable treatment standards must be listed completely:

1.) Spent Solvents

If U.S. EPA #'s F001, F002, F003, F004 or F005 appear in Section I, check all individual constituents contained in these wastes(s) and mark the appropriate treatability group. This waste must be treated at least to levels specified below.

F001-5 Spent Solvents	CCW (in mg/l) WW[2]	NWW[1]
__Acetone	0.28	160
__Benzene	0.070	3.7
__n-Butyl Alcohol	5.6	2.6
__Carbon Tetrachloride	0.057	5.6
__Chlorobenzene	0.057	5.7
__Cresols(m- & p-isomers)	0.77	3.2
__o-Cresol	0.11	5.6
__o-Dichlorobenzene	0.088	6.2
__Ethyl Acetate	0.34	33
__Ethylbenzene	0.057	6.0
__Ethyl Ether	0.12	160
__Isobutyl Alcohol	5.6	170
__Methylene Chloride	0.089	33

F001-5 Spent Solvents	CCW (in mg/l) WW[2]	NWW[1]
__Methyl Ethyl Ketone	0.28	36
__Methyl Isobutyl Ketone	0.14	33
__Nitrobenzene	0.068	14
__Pyridine	0.014	16
__Tetrachloroethylene	0.056	5.6
__Toluene	0.08	28
__1,1,2-Trichloro-1,2,2-Trifluoroethane	0.057	28
__1,1,1-Trichloroethane	0.054	5.6
__1,1,2-Trichloroethane	0.030	7.6
__Trichloroethylene	0.054	5.6
__Trichloromono-fluoromethane	0.02	33
__Xylene	0.32	28

	CCWE (in mg/l)	
__Carbon Disulfide	N/A	4.6
__Cyclohexanone	N/A	0.75
__Methanol	N/A	0.75

	Technology Code	
__2-Nitropropane	INCIN	INCIN
__2-Ethoxyethanol	INCIN	INCIN

2) California List Wastes

Mark the following only if the relevant constituent has not already been addressed by a more specific prohibition or treatment standard.

The waste identified in Section I is a liquid hazardous waste, including free liquids associated with any solid or sludge, containing the following constituents or characteristics:

	LIMITS
__Nickel and/or compounds (as Ni)	≥134 mg/l
__Thallium and/or compounds (as Tl)	≥130 mg/l

__Hazardous wastes (solid, sludge or liquid) containing halogenated organic compounds (HOCs) in total concentration >1,000 mg/kg.

I hereby certify that all information submitted is complete and accurate, to the best of my knowledge and information, and that the restricted waste described above has been properly identified so that the receiving treatment facility is aware of all applicable performance levels specified in 40 CFR 268 Subpart D and all applicable prohibitions set forth in Part 268.32 or RCRA Section 3004(d).

Signature L. Quangment Title Sr. Dept. Assistant Date 3-10-94

LAND DISPOSAL RESTRICTIONS NOTIFICATION

McDonnell Douglas Corporation - St. Louis
P.O. Box 516, MC 0343530, St. Louis, MO 63166
(314) 232-3319

Generator EPA ID: MOD000818906

EPA Waste ID: D001-D007-D008-F002-F003-F005-D035

Manifest No.: 001248-0884

Facility Wastestream No.: 043

This form is submitted in compliance with 40 CFR 269.

I. WASTE IDENTIFICATION

Identify all U.S. EPA hazardous waste number(s), subcategory(ies) and treatability group(s) applicable to this waste shipment.

A. D001:
1) Ignitable Liquids: X a) NWW[1] TOC ≥10%; ___ b) NWW[1] 1% to <10% TOC; ___ c) WW[2]
___ 2) Ignitable Compressed Gases; ___ 3) Ignitable Reactives; ___ 4) Oxidizers

B. D002: ___ 1) Acids; ___ 2) Alkaline; ___ 3) Other Corrosives

C. D003: ___ 1) Reactive Cyanides; ___ 2) Reactive Sulfides; ___ 3) Explosives;
___ 4) Water Reactives; ___ 5) Other Reactives

D. ___ D009: ___ K106: ___ U151: ___ 1) Low Mercury; ___ 2) High Mercury

E. F025: ___ 1) Light Ends; ___ 2) Spent Filters/Aids & Desiccants

F. K061: ___ 1) Low Zinc; ___ 2) High Zinc

G. ALL OTHER U.S. EPA HAZARDOUS WASTE NUMBERS / SUBCATEGORIES (IF APPLICABLE)

D007-D008-F002-F003-F005-D035	None

H. Treatability Group (if not previously indicated):
___ Wastewater; X Non-Wastewater; List any others ___

II. LAND DISPOSAL RESTRICTIONS

X A. Restricted wastes with EPA hazardous waste number(s) D007-D008 have treatment standards expressed as constituent concentrations in waste extract (CCWE) per 40 CFR 268.41.

X B. Restricted wastes with EPA hazardous waste number(s) F002-F003-F005 have treatment standards expressed as constituent concentrations in waste (CCW) per 40 CFR 268.43.

X C. Restricted wastes with EPA hazardous waste number(s) D001 have treatment standards expressed as a specific technology per 40 CFR 268.42. List the applicable five-letter treatment code:
X INCIN: ___ DEACI: ___ STABL: Other ___

___ D. Wastes with EPA hazardous waste number(s) ___ having a treatment standard based on incineration and are contaminated soil and debris, are not subject to the land disposal prohibition until ___.

___ E. Wastes with EPA hazardous waste number(s) ___ subject to other variance, extention or exemptions: Specify ___.

[1]Non-Wastewater; [2]Wastewater

[OVER]

X F. Waste for which applicable treatment standards must be listed completely:

1.) Spent Solvents

If U.S. EPA #'s F001, F002, F003, F004 or F005 appear in Section I, check all individual constituents contained in these wastes(s) and mark the appropriate treatability group. This waste must be treated at least to levels specified below.

F001-5 Spent Solvents	CCW (in mg/l) WW[2]	NWW[1]
__Acetone	0.28	160
__Benzene	0.070	3.7
__n-Butyl Alcohol	5.6	2.6
__Carbon Tetrachloride	0.057	5.6
__Chlorobenzene	0.057	5.7
__Cresols(m- & p-isomers)	0.77	3.2
__o-Cresol	0.11	5.6
__o-Dichlorobenzene	0.088	6.2
__Ethyl Acetate	0.34	33
__Ethylbenzene	0.057	6.0
__Ethyl Ether	0.12	160
__Isobutyl Alcohol	5.6	170
__Methylene Chloride	0.089	33

F001-5 Spent Solvents	CCW (in mg/l) WW[2]	NWW[1] X
X Methyl Ethyl Ketone	0.28	36
X Methyl Isobutyl Ketone	0.14	33
__Nitrobenzene	0.068	14
__Pyridine	0.014	16
__Tetrachloroethylene	0.056	5.6
X Toluene	0.08	28
__1,1,2-Trichloro-1,2,2-Trifluoroethane	0.057	28
__1,1,1-Trichloroethane	0.054	5.6
__1,1,2-Trichloroethane	0.030	7.6
__Trichloroethylene	0.054	5.6
__Trichloromono-fluoromethane	0.02	33
X Xylene	0.32	28

	CCWE (in mg/l)	
__Carbon Disulfide	N/A	4.8
__Cyclohexanone	N/A	0.75
__Methanol	N/A	0.75

	Technology Code	
__2-Nitropropane	INCIN	INCIN
__2-Ethoxyethanol	INCIN	INCIN

2) California List Wastes

Mark the following only if the relevant constituent has not already been addressed by a more specific prohibition or treatment standard.

The waste identified in Section I is a liquid hazardous waste, including free liquids associated with any solid or sludge, containing the following constituents or characteristics:

	LIMITS
__Nickel and/or compounds (as Ni)	≥134 mg/l
__Thallium and/or compounds (as Tl)	≥130 mg/l

__Hazardous wastes (solid, sludge or liquid) containing halogenated organic compounds (HOCs) in total concentration >1,000 mg/kg.

I hereby certify that all information submitted is complete and accurate, to the best of my knowledge and information, and that the restricted waste described above has been properly identified so that the receiving treatment facility is aware of all applicable performance levels specified in 40 CFR 268 Subpart D and all applicable prohibitions set forth in Part 268.32 or RCRA Section 3004(d).

Signature D. Quargnent Title Sr Dept Asst. Date 3-10-94

LAND DISPOSAL RESTRICTIONS NOTIFICATION

McDonnell Douglas Corporation - St. Louis
P.O. Box 516, MC 0343530, St. Louis, MO 63166
(314) 232-3319

Generator EPA ID: MDD000818906

EPA Waste ID: D039-D040-F001-F002

Manifest No.: 001248-0884

Facility Wastestream No.: 047

This form is submitted in compliance with 40 CFR 269.

I. WASTE IDENTIFICATION

Identify all U.S. EPA hazardous waste number(s), subcategory(ies) and treatability group(s) applicable to this waste shipment.

A. D001:
1) Ignitable Liquids: ___a) NWW[1] TOC ≥10%; ___b) NWW[1] 1% to <10% TOC; ___c) WW[2]
___2) Ignitable Compressed Gases; ___3) Ignitable Reactives; ___4) Oxidizers

B. D002: ___1) Acids; ___2) Alkaline; ___3) Other Corrosives

C. D003: ___1) Reactive Cyanides; ___2) Reactive Sulfides; ___3) Explosives;
___4) Water Reactives; ___5) Other Reactives

D. ___D009: ___K106: ___U151: ___1) Low Mercury; ___2) High Mercury

E. F025: ___1) Light Ends; ___2) Spent Filters/Aids & Desiccants

F. K001: ___1) Low Zinc; ___2) High Zinc

G. ALL OTHER U.S. EPA HAZARDOUS WASTE NUMBERS — SUBCATEGORIES (IF APPLICABLE)

D039-D040-F001-F002 — None

H. Treatability Group (if not previously indicated):
___Wastewater; X Non-Wastewater; List any others ___

II. LAND DISPOSAL RESTRICTIONS

___A. Restricted wastes with EPA hazardous waste number(s) ___ have treatment standards expressed as constituent concentrations in waste extract (CCWE) per 40 CFR 268.41.

X B. Restricted wastes with EPA hazardous waste number(s) F001-F002 have treatment standards expressed as constituent concentrations in waste (CCW) per 40 CFR 268.43.

___C. Restricted wastes with EPA hazardous waste number(s) ___ have treatment standards expressed as a specific technology per 40 CFR 268.42. List the applicable five-letter treatment code:
___INCIN: ___DEACT: ___STABL: Other ___

___D. Wastes with EPA hazardous waste number(s) ___ having a treatment standard based on incineration and are contaminated soil and debris, are not subject to the land disposal prohibition until ___.

___E. Wastes with EPA hazardous waste number(s) ___ subject to other variance, extention or exemptions: Specify ___.

[1]Non-Wastewater; [2]Wastewater

[OVER]

X F. Waste for which applicable treatment standards must be listed completely:

1.) Spent Solvents

If U.S. EPA #'s F001, F002, F003, F004 or F005 appear in Section I, check all individual constituents contained in these wastes(s) and mark the appropriate treatability group. This waste must be treated at least to levels specified below.

F001-5 Spent Solvents	CCW (in mg/l) WW[2] __	NWW[1] __
__Acetone	0.28	160
__Benzene	0.070	3.7
__n-Butyl Alcohol	5.6	2.6
__Carbon Tetrachloride	0.057	5.6
__Chlorobenzene	0.057	5.7
__Cresols(m- & p-isomers)	0.77	3.2
__o-Cresol	0.11	5.6
__o-Dichlorobenzene	0.088	6.2
__Ethyl Acetate	0.34	33
__Ethylbenzene	0.057	6.0
__Ethyl Ether	0.12	160
__Isobutyl Alcohol	5.6	170
__Methylene Chloride	0.089	33

F001-5 Spent Solvents	CCW (in mg/l) WW[2] __	NWW[1] X
__Methyl Ethyl Ketone	0.28	36
__Methyl Isobutyl Ketone	0.14	33
__Nitrobenzene	0.068	14
__Pyridine	0.014	16
__Tetrachloroethylene	0.056	5.6
__Toluene	0.08	28
__1,1,2-Trichloro-1,2,2-Trifluoroethane	0.057	28
X 1,1,1-Trichloroethane	0.054	5.6
__1,1,2-Trichloroethane	0.030	7.6
X Trichloroethylene	0.054	5.6
__Trichloromonofluoromethane	0.02	33
__Xylene	0.32	28

	CCWE (in mg/l)	
__Carbon Disulfide	N/A	4.6
__Cyclohexanone	N/A	0.75
__Methanol	N/A	0.75

	Technology Code	
__2-Nitropropane	INCIN	INCIN
__2-Ethoxyethanol	INCIN	INCIN

2) California List Wastes

Mark the following only if the relevant constituent has not already been addressed by a more specific prohibition or treatment standard.

The waste identified in Section I is a liquid hazardous waste, including free liquids associated with any solid or sludge, containing the following constituents or characteristics:

	LIMITS
__Nickel and/or compounds (as Ni)	≥134 mg/l
__Thallium and/or compounds (as Tl)	≥130 mg/l

__Hazardous wastes (solid, sludge or liquid) containing halogenated organic compounds (HOCs) in total concentration >1,000 mg/kg.

I hereby certify that all information submitted is complete and accurate, to the best of my knowledge and information, and that the restricted waste described above has been properly identified so that the receiving treatment facility is aware of all applicable performance levels specified in 40 CFR 268 Subpart D and all applicable prohibitions set forth in Part 268.32 or RCRA Section 3004(d).

Signature D. Quargnent Title Sr. Dept. asst. Date 3-10-94

MANIFEST NOTICE

Due to recent OMB and EPA regulations, enacted after the printing of the attached manifest(s), this sheet MUST accompany each Missouri Hazardous Waste Manifest for shipments made after January 1, 1989.

The following statement must be included with each Uniform Hazardous Waste Manifest, either on the form, in the instructions to the form, or accompanying the form:

Public reporting burden for this collection of information is estimated to average: 37 minutes for generators, 15 minutes for transporters, and 10 minutes for treatment, storage and disposal facilities. This includes time for reviewing instructions, gathering data, and completing and reviewing the form. Send comments regarding the burden estimate, including suggestions for reducing this burden, to: Chief, Information Policy Branch, PM-223, U.S. Environmental Protection Agency, 401 M Street SW., Washington, DC 20460; and to the Office of Information and Regulatory Affairs, Office of Management and Budget, Washington, DC 20503.

BILLING CODE 6560-50-M

Please note that the above statement does not place additional requirements on those who use manifests. The purpose of the statement is to provide an avenue for public comment on the improvement of the Hazardous Waste Manifest.

When the department's existing supply of Hazardous Waste Manifests are exhausted, future printings will incorporate the above statement within the manifest's instructions.

MCDONNELL DOUGLAS

McDonnell Douglas Aerospace

064C-2933
File 1/1

02 September 1993

Mr. Bruce Martin
Missouri Department of Natural Resources
Hazardous Waste Program
P.O. Box 176
Jefferson City, Missouri 65102

Dear Mr. Martin:

At the McDonnell Douglas facilities, rags and debris contaminated with paint and solvent are collected in 5, 10, 20, and 30 gallon containers located at work stations throughout the plant. The waste collected in these containers is placed into 1 and 2 cubic yard accumulation containers at the end of each work shift.

During a MDNR hazardous waste compliance inspection of our Tract IV facility in 1991, the inspector considered these small containers satellite accumulation containers that must be marked with the start date of waste accumulation. Because we use hundreds of these small collection containers, it is impossible to ensure proper dating.

During a recent MDNR inspection of our Tract I facility, another inspector indicated that the small collection containers are not considered satellite accumulation containers and need not be marked with accumulation start dates.

Please provide us with the Hazardous Waste Program position on small collection containers. Your immediate response will be appreciated.

Sincerely,

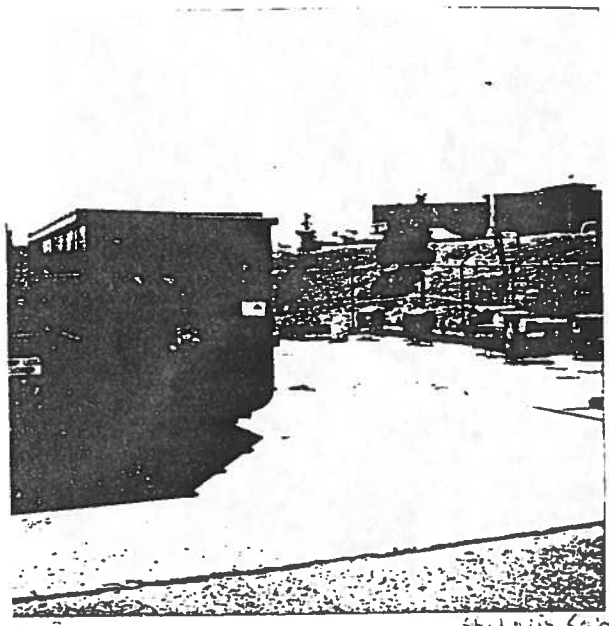
Joe Haake

Joe Haake, Group Manager
Environmental and Hazardous Materials Services
Dept. 064C, Mail Code 1003377
314-232-3319

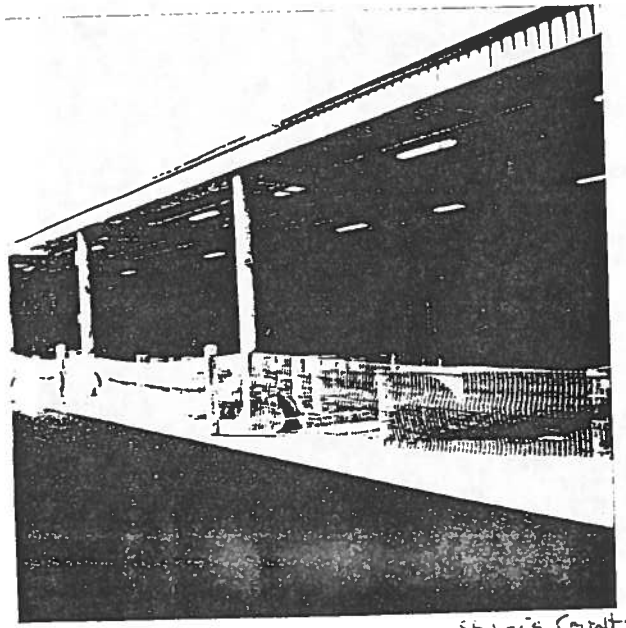
JH:dsq

EC: Joe Trunko, MDNR - SLRO

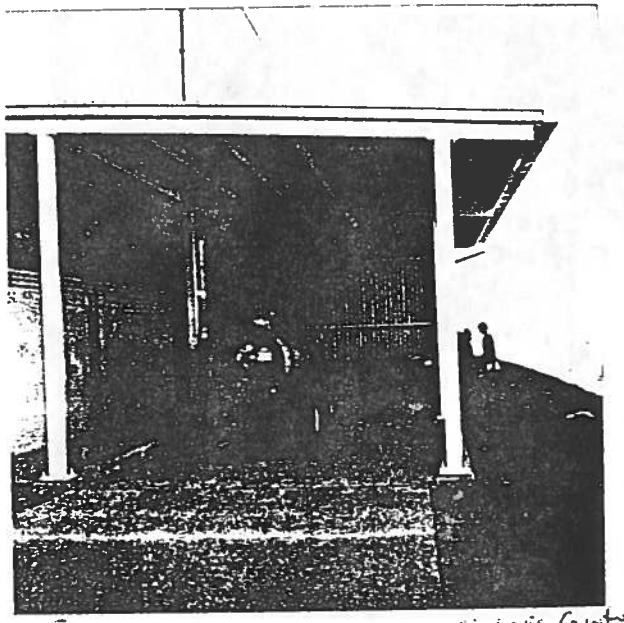
St Louis County
McDonnell Douglas Corp
Tract II



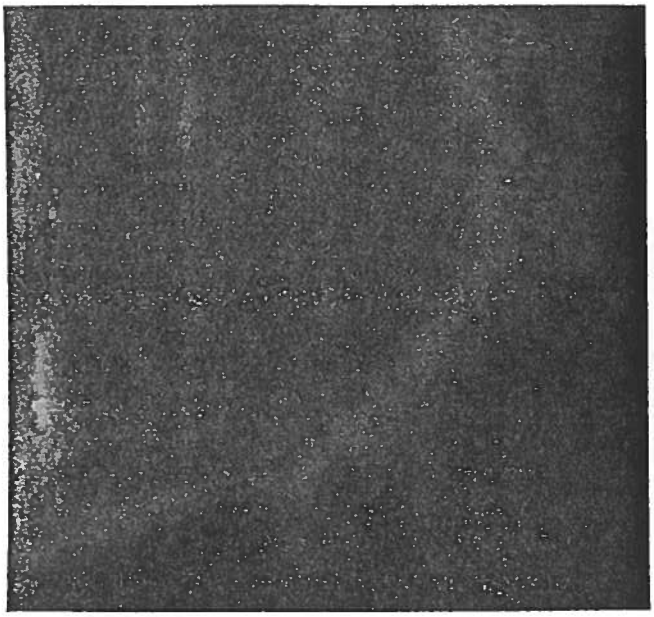
St. Louis County
McDonnell Douglas Corp.
Tract II

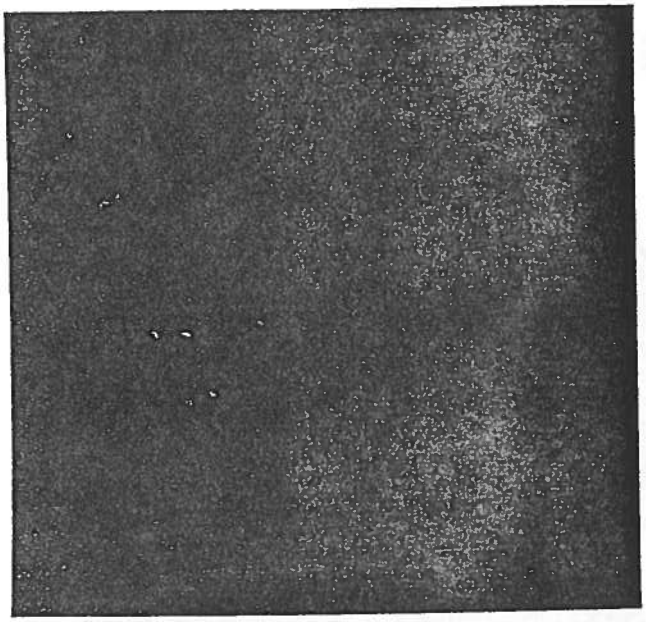


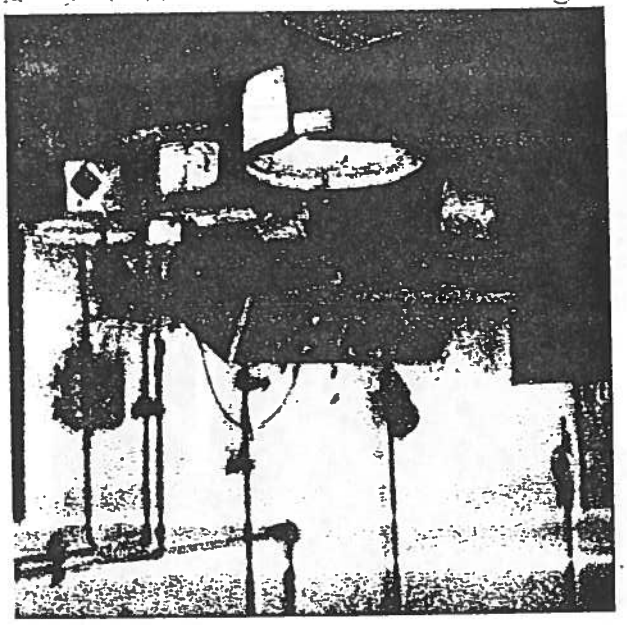
St Louis County
McDonnell Douglas Corp
Tract II

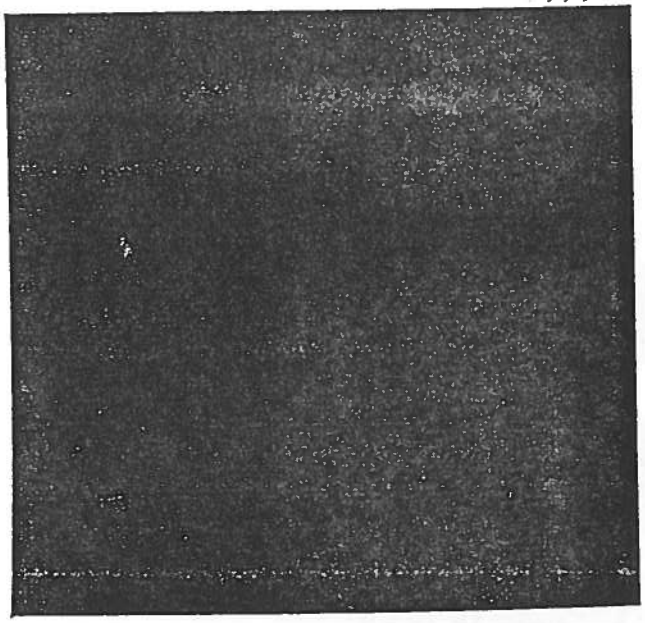


St Louis County
McDonnell Douglas Corp
Tract II

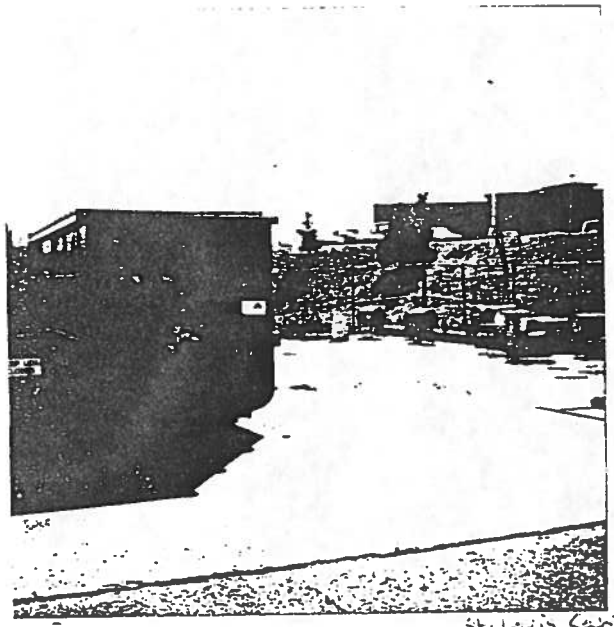




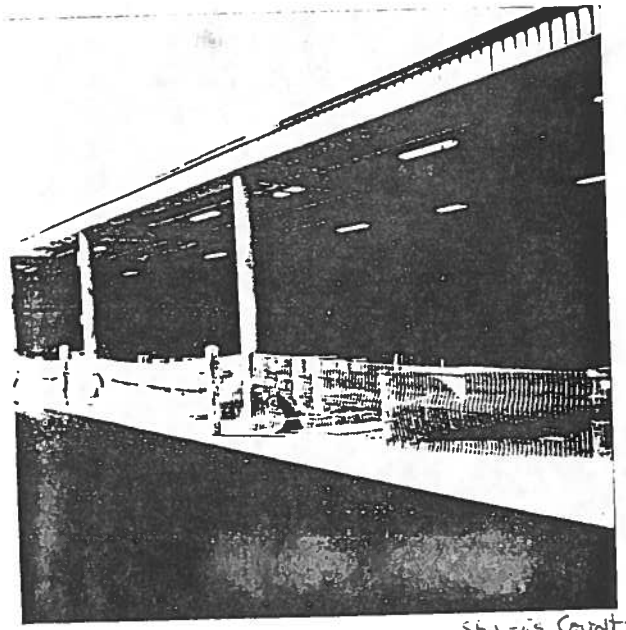




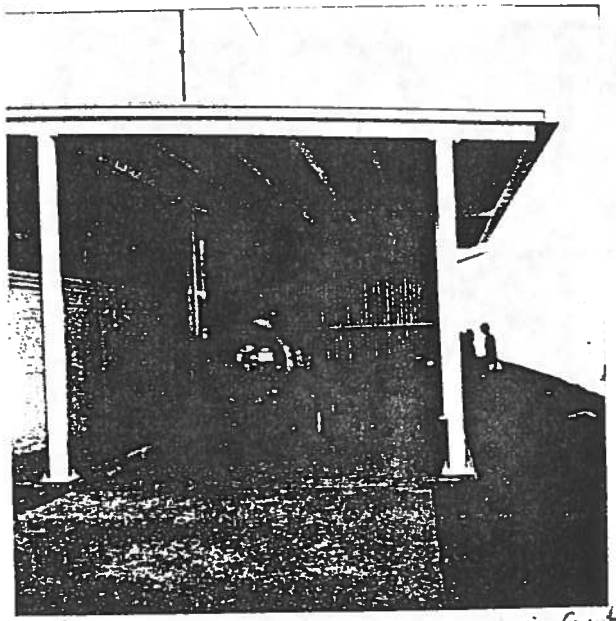
St Louis County
McDonnell Douglas Corp
Tract II



St. Louis County
McDonnell Douglas Corp.
Tract II



St Louis County
McDonnell Douglas Corp
Tract II



St Louis County
McDonnell Douglas Corp.
Tract II